

# 02

## CALIPERS



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DATA  
OUTPUTIP67  
WATERPROOF

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, mm/inch, preset, data output
- Battery CR2032
- Automatic power off, move the digital unit to turn on power
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-80 need receiver page 5, 7302-80)

## IP67 WATERPROOF DIGITAL CALIPERS

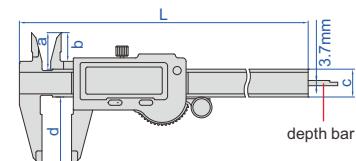


1195-150

(mm)

Code	Range	Accuracy	L	a	b	c	d	Remark
1195-150*	0-150mm/0-6"	±0.02mm	235	21	16.5	16	40	with depth bar
1195-200*	0-200mm/0-8"	±0.03mm	290	24.5	20	16	50	with depth bar
1195-300*	0-300mm/0-12"	±0.03mm	387	23	18.5	16	64	without depth bar

\* Supplied with manufacturer inspection certificate



ATTENTION: IT IS NECESSARY TO SET ZERO AFTER POWER ON EACH TIME

ATTENTION:  
NO DATA OUTPUTIP67  
WATERPROOF

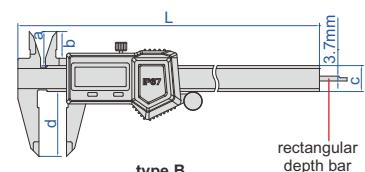
## IP67 WATERPROOF DIGITAL CALIPERS



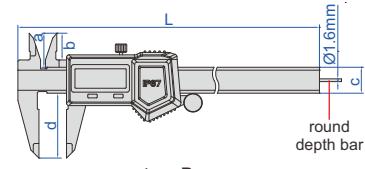
1118-150B



1118-150R



type B

rectangular  
depth bar

type R

round  
depth bar

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch, ABS/REL, hold
- Battery CR2032
- Meet DIN862
- Made of stainless steel

\* Supplied with manufacturer inspection certificate

ATTENTION:  
NO DATA OUTPUTIP67  
WATERPROOF

## IP67 WATERPROOF DIGITAL CALIPERS

- IP67 dust/waterproof
- Resolution: 0.01mm/0.0005"
- Button function: zero, on/off, mm/inch
- Battery CR2032
- Automatic power off
- Meet DIN862
- Made of stainless steel

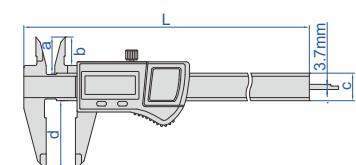


1115-150



Code	Range	Accuracy	L	a	b	c	d
1115-150 *	0-150mm/0-6"	±0.03mm	235mm	20mm	15mm	16mm	40mm
1115-200 *	0-200mm/0-8"	±0.03mm	287mm	24mm	19mm	16mm	50mm
1115-300 *	0-300mm/0-12"	±0.03mm	388mm	26mm	21mm	16mm	60mm

\* Supplied with manufacturer inspection certificate

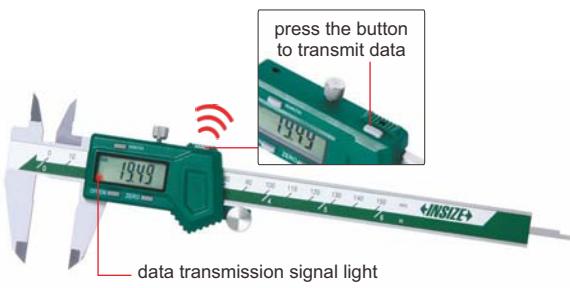


## WIRELESS DIGITAL CALIPERS

2

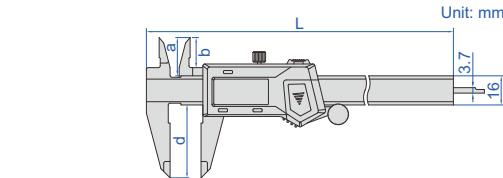


ATTENTION: THE WORKING LIFE OF A BATTERY IS ABOUT 3-5 MONTHS

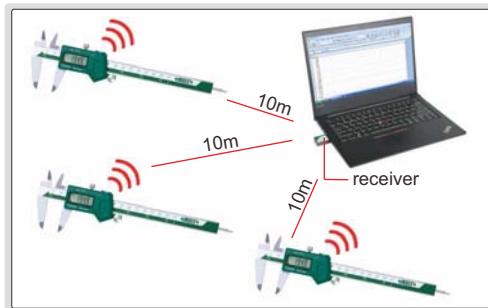


1113-150

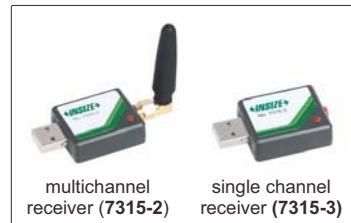
- Non waterproof
- Built-in wireless data transmission module, Zigbee signal
- Transmission distance is 10 meter (under the condition of no obstruction and no electromagnetic interference)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, data transmission
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: receiver (code 7315-2/3/6/7/8/9)



application



receiver (optional)



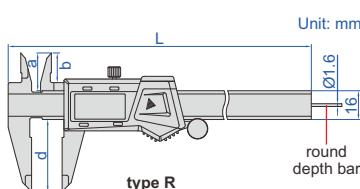
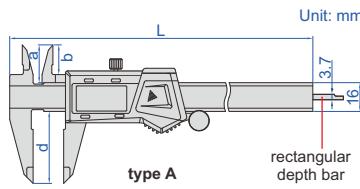
\* Supplied with manufacturer inspection certificate

## DIGITAL CALIPERS (ABSOLUTE SYSTEM)



1103-150

- Non waterproof
- Absolute system, low power consumption, long battery life
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, mm/inch, ORIGIN, ZERO/ABS
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: wireless transmitter, code 7315-22 need receiver page 4, data output cable (keyboard format), code 7302-22 page 12



Code	Range	Accuracy	Type	L	a	b	d
1103-150*	0-150mm/0-6"	±0.03mm	A	236mm	21mm	16.5mm	40mm
1103-200*	0-200mm/0-8"	±0.03mm	A	286mm	24mm	19.5mm	50mm
1103-300*	0-300mm/0-12"	±0.03mm	A	400mm	26mm	21.5mm	60mm
1103-150R *	0-150mm/0-6"	±0.03mm	R	236mm	21mm	16.5mm	40mm

\* Supplied with manufacturer inspection certificate

DATA  
OUTPUTINSPECTION  
CERTIFICATE

## DIGITAL CALIPERS (FRACTION READING)

2

- Non waterproof
- Resolution: 1/128", 0.01mm, 0.0005"
- Buttons: unit (inch fraction/mm/inch), on/off, zero
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output (for mm and inch)
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)



1102-150



inch fraction reading



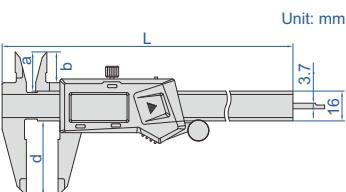
mm reading



inch reading

Code	Range	Accuracy	L	a	b	d
1102-150*	0-150mm/0-6"	±0.02mm	236mm	21mm	16mm	40mm
1102-200*	0-200mm/0-8"	±0.03mm	286mm	24mm	19mm	50mm
1102-300*	0-300mm/0-12"	±0.03mm	400mm	25mm	20.5mm	60mm

\* Supplied with manufacturer inspection certificate



## DIGITAL CALIPERS

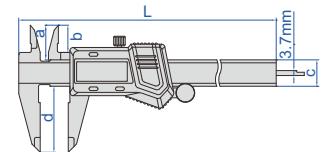
ATTENTION:  
NO DATA OUTPUT

INSPECTION  
CERTIFICATE

- Non waterproof
- Zinc alloy housing for digital unit
- Resolution: 0.01mm/0.0005"
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



1114-150A



\* Supplied with manufacturer inspection certificate

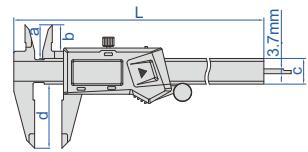
DATA  
OUTPUTINSPECTION  
CERTIFICATEPOPULAR  
MODEL

## DIGITAL CALIPERS (STANDARD TYPE)

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)



1108-150



Code	Range	Accuracy	L	a	b	c	d
1108-150*	0-150mm/0-6"	±0.02mm	236mm	21mm	16mm	16mm	40mm
1108-200*	0-200mm/0-8"	±0.03mm	286mm	24mm	19mm	16mm	50mm
1108-250*	0-250mm/0-10"	±0.03mm	350mm	25mm	20.5mm	16mm	60mm
1108-300*	0-300mm/0-12"	±0.03mm	400mm	25mm	20.5mm	16mm	60mm

\* Supplied with manufacturer inspection certificate

## HEAVY DUTY 300mm DIGITAL CALIPER

2

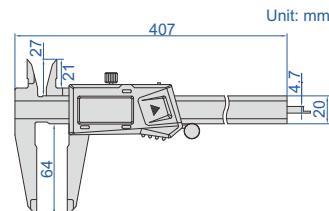
DATA  
OUTPUT

INSPECTION  
CERTIFICATE

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22 need receiver page 4, 7302-22 page 12)



1196-300



LOCK READING WITH  
"HOLD" BUTTON

DATA  
OUTPUT

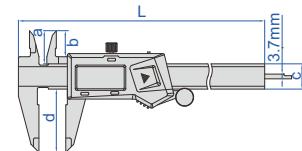
## METRIC DIGITAL CALIPERS

INSPECTION  
CERTIFICATE

- Non waterproof
- Resolution: 0.01mm
- Buttons: on/off, zero, hold
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)



1109-150



\* Supplied with manufacturer inspection certificate

## DIGITAL CALIPERS WITH ROUND DEPTH BAR

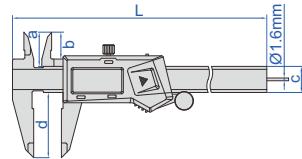
INSPECTION  
CERTIFICATE

DATA  
OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



1119-150



With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy	L	a	b	c	d
1119-150*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm



round depth  
bar Ø1.6mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	L	a	b	c	d
1119-150WL*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm

\* Supplied with manufacturer inspection certificate

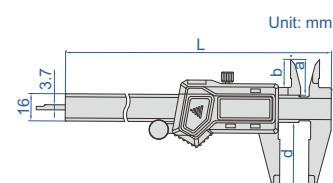
**DATA  
OUTPUT**
**INSPECTION  
CERTIFICATE**

## LEFT HAND DIGITAL CALIPERS

- Non waterproof
- Designed for left handed users
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Meet DIN862
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22 need receiver page 4, 7302-22 page 12)



1130-150



Code	Range	Accuracy	L	a	b	d
1130-150*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	40mm
1130-200*	0-200mm/0-8"	±0.03mm	286mm	24mm	19mm	50mm
1130-300*	0-300mm/0-12"	±0.03mm	400mm	25mm	20.5mm	60mm

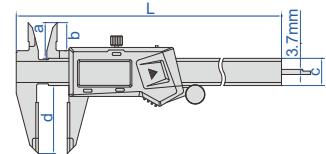
\* Supplied with manufacturer inspection certificate

**DATA  
OUTPUT**
**INSPECTION  
CERTIFICATE**

## DIGITAL CALIPERS WITH CERAMIC TIPPED JAWS



1193-150



- Non waterproof
- Ceramic tipped jaws for outside measurement, extremely wear-resistant, non-magnetic and non electric conductive
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, made of stainless steel
- Meet DIN862

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy	L	a	b	c	d
1193-150*	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm
1193-200*	0-200mm/0-8"	±0.03mm	287mm	24mm	20mm	16mm	50mm
1193-300*	0-300mm/0-12"	±0.03mm	390mm	26mm	21.5mm	16mm	60mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	L	a	b	c	d
1193-150WL*	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm
1193-200WL*	0-200mm/0-8"	±0.03mm	287mm	24mm	20mm	16mm	50mm
1193-300WL*	0-300mm/0-12"	±0.03mm	390mm	26mm	21.5mm	16mm	60mm

\* Supplied with manufacturer inspection certificate

## DIGITAL CALIPERS WITH CARBIDE TIPPED JAWS



2

carbide measuring faces



1110-150A

steel measuring faces



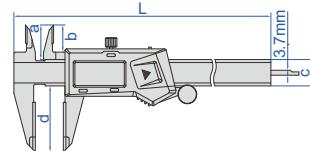
1110-150B

carbide measuring faces



1110-150C

- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Meet DIN862
- Made of stainless steel



Non waterproof, with data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy	L	a	b	c	d	Remark
1110-150A*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm	carbide tipped upper and lower jaws
1110-200A*	0-200mm/0-8"	±0.03mm	286mm	24mm	19mm	16mm	50mm	carbide tipped upper and lower jaws
1110-300A*	0-300mm/0-12"	±0.03mm	400mm	25mm	20.5mm	16mm	60mm	carbide tipped upper and lower jaws
1110-150B*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm	carbide tipped lower jaws
1110-200B*	0-200mm/0-8"	±0.03mm	286mm	24mm	19mm	16mm	50mm	carbide tipped lower jaws
1110-300B*	0-300mm/0-12"	±0.03mm	400mm	25mm	20.5mm	16mm	60mm	carbide tipped lower jaws

Non waterproof, built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	L	a	b	c	d	Remark
1110-150AWL*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm	carbide tipped upper and lower jaws
1110-200AWL*	0-200mm/0-8"	±0.03mm	286mm	24mm	19mm	16mm	50mm	carbide tipped upper and lower jaws
1110-300AWL*	0-300mm/0-12"	±0.03mm	400mm	25mm	20.5mm	16mm	60mm	carbide tipped upper and lower jaws
1110-150BWL*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm	carbide tipped lower jaws
1110-200BWL*	0-200mm/0-8"	±0.03mm	286mm	24mm	19mm	16mm	50mm	carbide tipped lower jaws
1110-300BWL*	0-300mm/0-12"	±0.03mm	400mm	25mm	20.5mm	16mm	60mm	carbide tipped lower jaws

IP67 dust/waterproof, without data interface

Code	Range	Accuracy	L	a	b	c	d	Remark
1110-150C*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm	carbide tipped upper and lower jaws
1110-150D*	0-150mm/0-6"	±0.03mm	236mm	21mm	16mm	16mm	40mm	carbide tipped lower jaws

\* Supplied with manufacturer inspection certificate

## DIGITAL CALIPERS

### DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

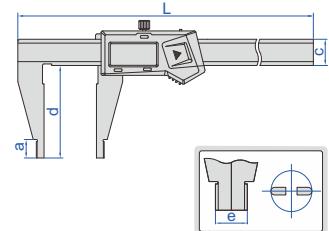


1170-300

#### With data interface

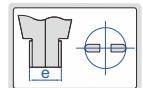
(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy	a	c	d	e	L
1170-200	0-200mm/0-8"	±0.03mm	12mm	17mm	60mm	10mm	314mm
1170-306	0-300mm/0-12"	±0.04mm	12mm	17mm	60mm	10mm	420mm
1170-300	0-300mm/0-12"	±0.06mm	12mm	17mm	90mm	10mm	420mm



Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	a	c	d	e	L
1170-200WL	0-200mm/0-8"	±0.03mm	12mm	17mm	60mm	10mm	314mm
1170-306WL	0-300mm/0-12"	±0.04mm	12mm	17mm	60mm	10mm	420mm
1170-300WL	0-300mm/0-12"	±0.06mm	12mm	17mm	90mm	10mm	420mm



### DATA OUTPUT

## DIGITAL CALIPERS

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

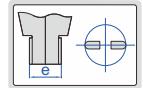
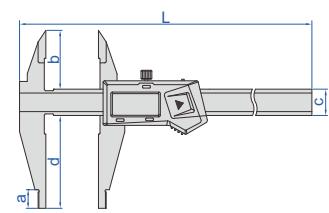


1171-300

#### With data interface

(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy	a	b	c	d	e	L
1171-200	0-200mm/0-8"	±0.03mm	12mm	38mm	17mm	60mm	10mm	320mm
1171-250	0-250mm/0-10"	±0.03mm	12mm	38mm	17mm	60mm	10mm	365mm
1171-306	0-300mm/0-12"	±0.04mm	12mm	38mm	17mm	60mm	10mm	420mm
1171-300	0-300mm/0-12"	±0.06mm	12mm	38mm	17mm	90mm	10mm	420mm



Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	a	b	c	d	e	L
1171-200WL	0-200mm/0-8"	±0.03mm	12mm	38mm	17mm	60mm	10mm	320mm
1171-250WL	0-250mm/0-10"	±0.03mm	12mm	38mm	17mm	60mm	10mm	365mm
1171-306WL	0-300mm/0-12"	±0.04mm	12mm	38mm	17mm	60mm	10mm	420mm
1171-300WL	0-300mm/0-12"	±0.06mm	12mm	38mm	17mm	90mm	10mm	420mm

## MINI DIGITAL CALIPERS

2

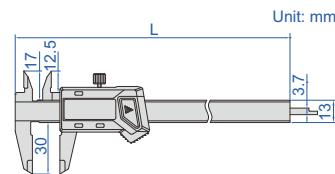
- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, mm/inch, on/off
- Automatic power off, move the digital unit to turn on power
- Battery LR44
- Meet DIN862
- Made of stainless steel



1111-100A

ATTENTION:  
NO DATA OUTPUT

Code	Range	Accuracy	L
1111-75A	0-75mm/0-3"	±0.02mm	144mm
1111-100A	0-100mm/0-4"	±0.02mm	170mm



## PLASTIC DIGITAL CALIPER

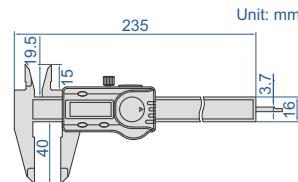
ATTENTION:  
NO DATA OUTPUT

- Non waterproof
- Made of hard plastic, non-magnetic and non electric conductive
- Prevent workpieces from scratching by calipers
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032, automatic power off



1139-150

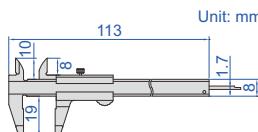
Code	Range	Accuracy
1139-150	0-150mm/0-6"	±0.1mm



## MINI VERNIER CALIPERS

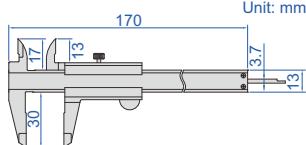
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Graduation	Accuracy
1204-70	0-70mm	0.05mm	±0.05mm



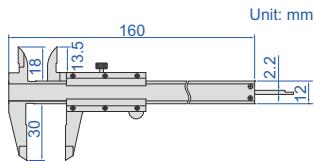
1204-70

Code	Range	Graduation	Accuracy
1203-1003	0-100mm	0.05mm	±0.05mm



1203-1003

Code	Range	Graduation	Accuracy
1201-1003	0-100mm	0.05mm	±0.05mm



1201-1003

POPULAR  
MODEL

## VERNIER CALIPERS

2



1205-150S

Graduation 0.05mm/1/128"

Code	Range	Accuracy	L	a	b	c	d	(mm)
1205-150S	0-150mm/0-6"	±0.05mm	235	20.5	15.5	16	40	
1205-200S	0-200mm/0-8"	±0.05mm	290	23.5	19	17	50	
1205-250S	0-250mm/0-10"	±0.05mm	364	27.5	22	20	64	
1205-300S	0-300mm/0-12"	±0.05mm	414	27.5	22	20	64	

Graduation 0.05mm

Code	Range	Accuracy	L	a	b	c	d	(mm)
1205-1503S	0-150mm	±0.05mm	235	20.5	15.5	16	40	
1205-2003S	0-200mm	±0.05mm	290	23.5	19	17	50	
1205-2503S	0-250mm	±0.05mm	350	26	21.5	16	60	
1205-3003S	0-300mm	±0.05mm	414	27.5	22	20	64	

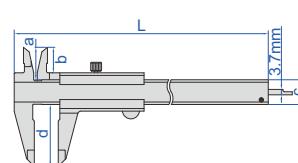
Graduation 0.02mm/0.001"

Code	Range	Accuracy	L	a	b	c	d	(mm)
1205-1502S	0-150mm/0-6"	±0.03mm	235	20.5	15.5	16	40	
1205-2002S	0-200mm/0-8"	±0.03mm	290	23.5	19	17	50	
1205-2502S	0-250mm/0-10"	±0.03mm	364	27.5	22	20	64	
1205-3002S	0-300mm/0-12"	±0.03mm	414	27.5	22	20	64	

Graduation 0.02mm

Code	Range	Accuracy	L	a	b	c	d	(mm)
1205-1501S	0-150mm	±0.03mm	235	20.5	15.5	16	40	
1205-2001S	0-200mm	±0.03mm	290	23.5	19	17	50	
1205-2501S	0-250mm	±0.03mm	350	26	21.5	16	60	
1205-3001S	0-300mm	±0.03mm	414	27.5	22	20	64	

- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



## VERNIER CALIPER WITH ROUND DEPTH BAR

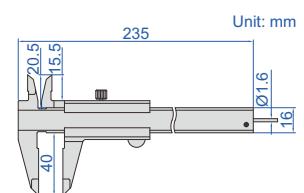


1202-150

Graduation 0.05mm/1/128"

- Round depth bar
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Accuracy
1202-150	0-150mm/0-6"	±0.05mm



## VERNIER CALIPERS WITH FINE ADJUSTMENT

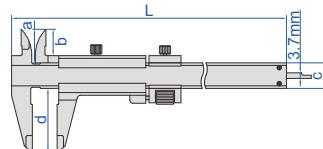
2

- Graduation 0.02mm/0.001"
- With fine adjustment
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface



1233-130

Code	Range	Accuracy	L	a	b	c	d	(mm)
1233-130	0-130mm/0-5"	±0.03mm	230	20.5	16.5	16	40	
1233-180	0-180mm/0-7"	±0.03mm	295	23.5	19	16	50	
1233-280	0-280mm/0-11"	±0.03mm	410	26	20	20	60	



## VERNIER CALIPERS WITH THUMB CLAMP

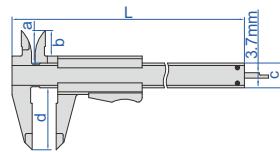
- Meet DIN862
- With thumb clamp
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Accuracy	L	a	b	c	d	(mm)
1223-150	0-150mm/0-6"	±0.05mm	230	20.5	16.5	16	40	
1223-200	0-200mm/0-8"	±0.05mm	295	23.5	19	16	50	



1223-150

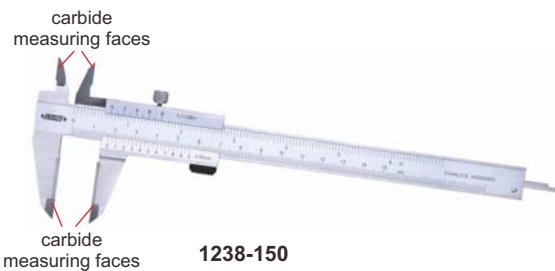
Code	Range	Accuracy	L	a	b	c	d	(mm)
1223-1502	0-150mm/0-6"	±0.03mm	230	20.5	16.5	16	40	
1223-2002	0-200mm/0-8"	±0.03mm	295	23.5	19	16	50	



## VERNIER CALIPERS WITH CARBIDE TIPPED JAWS

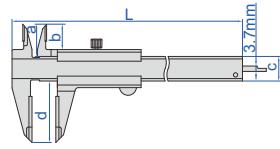
- Carbide tipped jaws for inside and outside measurements
- Meet DIN862
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Accuracy	L	a	b	c	d	(mm)
1238-150	0-150mm/0-6"	±0.05mm	230	21	16.5	16	40	
1238-200	0-200mm/0-8"	±0.05mm	295	24	19	16	50	
1238-300	0-300mm/0-12"	±0.05mm	410	25	20	16	60	



1238-150

Code	Range	Accuracy	L	a	b	c	d	(mm)
1238-1502	0-150mm/0-6"	±0.03mm	230	21	16.5	16	40	
1238-2002	0-200mm/0-8"	±0.03mm	295	24	19	16	50	
1238-3002	0-300mm/0-12"	±0.03mm	410	25	20	16	60	



## VERNIER CALIPERS

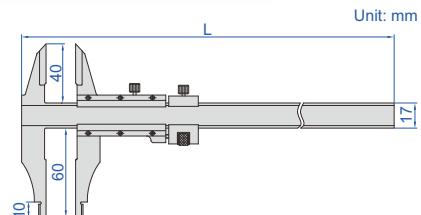
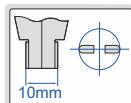
2



1217-3001

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Graduation	Accuracy	L
1217-2503	0-250mm	0.05mm	$\pm 0.05\text{mm}$	360mm
1217-3001	0-300mm	0.02mm	$\pm 0.03\text{mm}$	410mm



ATTENTION:  
NOT HARDENED

PURE COPPER

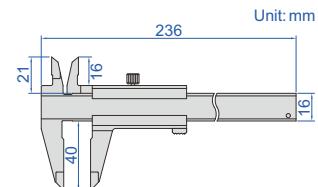
## VERNIER CALIPERS (ANTI MAGNETIC)



1224-150A

- Suitable for magnetic parts
- Made of pure copper

Code	Range	Graduation	Accuracy
1224-150A	0-150mm	0.02mm	$\pm 0.05\text{mm}$
1224-1501A	0-150mm	0.05mm	$\pm 0.05\text{mm}$



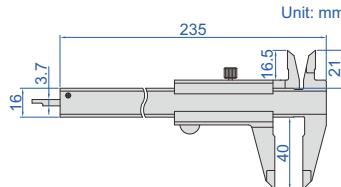
## LEFT HAND VERNIER CALIPERS



1239-1502

- Designed for left handed users
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Graduation	Accuracy
1239-150	0-150mm/0-6"	0.05mm/1/128"	$\pm 0.05\text{mm}$
1239-1503	0-150mm	0.05mm	$\pm 0.05\text{mm}$
1239-1502	0-150mm/0-6"	0.02mm/0.001"	$\pm 0.03\text{mm}$
1239-1501	0-150mm	0.02mm	$\pm 0.03\text{mm}$



## TEETH VERNIER CALIPER

2



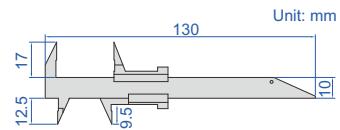
- Used for teeth
- Made of stainless steel

1226-70

scale on the back



Code	Range	Graduation	Accuracy
1226-70	0-70mm	0.1mm	±0.1mm



## DIAL CALIPERS

SHOCK PROOF

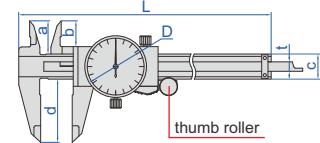


1312-150A

- Shockproof dial indicator
- Made of stainless steel

Dial indicator graduation: 0.02mm

Code	Range	Accuracy	Thumb roller	L	a	b	c	d	D	t	(mm)
1312-150A*	0-150mm	±0.03mm	with	235	21	16.5	16	40	Ø39	6.5	
1312-200A*	0-200mm	±0.03mm	with	288	24	19	16	48	Ø39	6.5	
1312-300A*	0-300mm	±0.03mm	with	410	28	22	20	62	Ø44.5	7.5	
1312-100AW*	0-100mm	±0.02mm	without	165	18	13	13	30	Ø32	6	



Dial indicator graduation: 0.01mm

Code	Range	Accuracy	Thumb roller	L	a	b	c	d	D	t	(mm)
1311-150A*	0-150mm	±0.03mm	with	235	21	16.5	16	40	Ø39	6.5	
1311-200A*	0-200mm	±0.03mm	with	288	24	19	16	48	Ø39	6.5	
1311-300A*	0-300mm	±0.03mm	with	410	28	22	20	62	Ø44.5	7.5	

\* Supplied with manufacturer inspection certificate

## DIAL CALIPERS

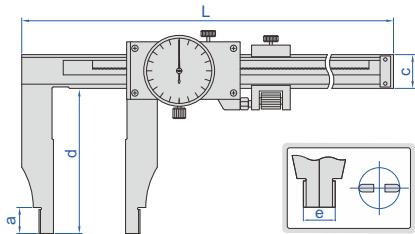
SHOCK PROOF



1316-500

- Shockproof dial indicator
- Dial indicator graduation: 0.02mm
- Made of stainless steel

Code	Range	Accuracy	a	c	d	e	L	(mm)
1316-500	0-500mm	±0.05mm	18	21	90	20	650	
1316-600	0-600mm	±0.05mm	18	21	90	20	750	
1316-1000	0-1000mm	±0.07mm	24	28	150	20	1190	
1316-1500	0-1500mm	±0.11mm	24	28	150	20	1690	



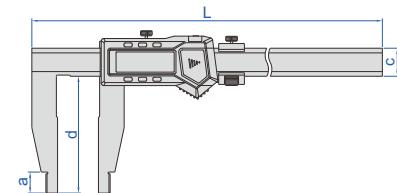
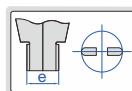
**DATA  
OUTPUT**
**POPULAR  
MODEL**

## DIGITAL CALIPERS

**2**

**1106-501**

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel


**With data interface**
**(mm)**

<b>Code</b>	<b>Range</b>	<b>Accuracy</b>	<b>a</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>L</b>	<b>Data output cable (optional)</b>
1106-301	0-300mm/0-12"	±0.05mm	18	24	100	20	420	7315-22 need receiver page 4, 7302-22 page 12
1106-302	0-300mm/0-12"	±0.05mm	18	24	150	20	420	7315-22 need receiver page 4, 7302-22 page 12
1106-451	0-450mm/0-18"	±0.05mm	18	24	100	20	625	7315-22 need receiver page 4, 7302-22 page 12
1106-501	0-500mm/0-20"	±0.05mm	18	24	100	20	675	7315-22 need receiver page 4, 7302-22 page 12
1106-502	0-500mm/0-20"	±0.06mm	18	24	150	20	675	7315-22 need receiver page 4, 7302-22 page 12
1106-503	0-500mm/0-20"	±0.06mm	24	31	200	20	675	7315-22 need receiver page 4, 7302-22 page 12
1106-505	0-500mm/0-20"	±0.08mm	24	42	300	20	675	7315-20B need receiver, 7302-SPC1A
1106-601	0-600mm/0-24"	±0.05mm	18	24	100	20	770	7315-22 need receiver page 4, 7302-22 page 12
1106-602	0-600mm/0-24"	±0.06mm	18	24	150	20	770	7315-22 need receiver page 4, 7302-22 page 12
1106-603	0-600mm/0-24"	±0.06mm	24	31	200	20	770	7315-22 need receiver page 4, 7302-22 page 12
1106-802	0-800mm/0-32"	±0.07mm	24	31	150	20	1025	7315-22 need receiver page 4, 7302-22 page 12
1106-1002	0-1000mm/0-40"	±0.08mm	24	31	150	20	1220	7315-22 need receiver page 4, 7302-22 page 12
1106-1003	0-1000mm/0-40"	±0.08mm	24	31	200	20	1220	7315-22 need receiver page 4, 7302-22 page 12
1106-1005	0-1000mm/0-40"	±0.10mm	24	42	300	20	1220	7315-20B need receiver, 7302-SPC1A
1106-1502	0-1500mm/0-60"	±0.11mm	24	42	150	20	1780	7315-20B need receiver, 7302-SPC1A
1106-1503	0-1500mm/0-60"	±0.12mm	24	42	200	20	1780	7315-20B need receiver, 7302-SPC1A
1106-2002	0-2000mm/0-80"	±0.14mm	24	42	150	20	2290	7315-20B need receiver, 7302-SPC1A
1106-2003	0-2000mm/0-80"	±0.14mm	24	42	200	20	2290	7315-20B need receiver, 7302-SPC1A
1106-2502	0-2500mm/0-100"	±0.22mm	24	42	150	20	2800	7315-20B need receiver, 7302-SPC1A
1106-3002	0-3000mm/0-120"	±0.26mm	24	42	150	20	3300	7315-20B need receiver, 7302-SPC1A

**Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)**

<b>Code</b>	<b>Range</b>	<b>Accuracy</b>	<b>a</b>	<b>c</b>	<b>d</b>	<b>e</b>	<b>L</b>
1106-301WL	0-300mm/0-12"	±0.05mm	18mm	24mm	100mm	20mm	420mm
1106-302WL	0-300mm/0-12"	±0.05mm	18mm	24mm	150mm	20mm	420mm
1106-451WL	0-450mm/0-18"	±0.05mm	18mm	24mm	100mm	20mm	625mm
1106-501WL	0-500mm/0-20"	±0.05mm	18mm	24mm	100mm	20mm	675mm
1106-502WL	0-500mm/0-20"	±0.06mm	18mm	24mm	150mm	20mm	675mm
1106-601WL	0-600mm/0-24"	±0.05mm	18mm	24mm	100mm	20mm	770mm
1106-602WL	0-600mm/0-24"	±0.06mm	18mm	24mm	150mm	20mm	770mm

## DIGITAL CALIPERS

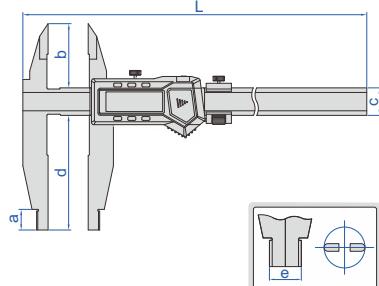
DATA  
OUTPUT

2

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel



1117-501



## With data interface

(data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional)

Code	Range	Accuracy	a	b	c	d	e	L
1117-301	0-300mm/0-12"	±0.05mm	18mm	56mm	24mm	100mm	20mm	420mm
1117-501	0-500mm/0-20"	±0.05mm	18mm	56mm	24mm	100mm	20mm	675mm
1117-502	0-500mm/0-20"	±0.06mm	24mm	56mm	24mm	150mm	20mm	675mm
1117-601	0-600mm/0-24"	±0.05mm	18mm	56mm	24mm	100mm	20mm	770mm
1117-802	0-800mm/0-32"	±0.07mm	24mm	67mm	31mm	150mm	20mm	1025mm
1117-1002	0-1000mm/0-40"	±0.08mm	24mm	67mm	31mm	150mm	20mm	1220mm

## Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	a	b	c	d	e	L
1117-301WL	0-300mm/0-12"	±0.05mm	18mm	56mm	24mm	100mm	20mm	420mm
1117-501WL	0-500mm/0-20"	±0.05mm	18mm	56mm	24mm	100mm	20mm	675mm
1117-502WL	0-500mm/0-20"	±0.06mm	24mm	56mm	24mm	150mm	20mm	675mm
1117-601WL	0-600mm/0-24"	±0.05mm	18mm	56mm	24mm	100mm	20mm	770mm

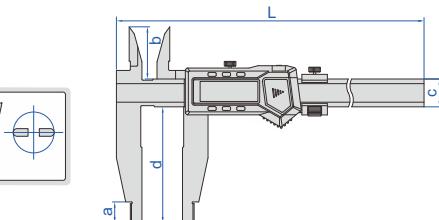
## DIGITAL CALIPERS

DATA  
OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel



1136-501



## With data interface (data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional, for calipers with c=24mm or 31mm)

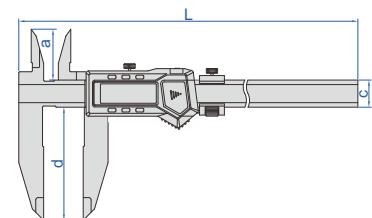
Code	Range	Accuracy	a	b	c	d	L
1136-301	0-300mm/0-12"	±0.05mm	18	45	24	100	420
1136-451	0-450mm/0-18"	±0.05mm	18	45	24	100	625
1136-501	0-500mm/0-20"	±0.05mm	18	45	24	100	675
1136-502	0-500mm/0-20"	±0.06mm	18	45	24	150	675
1136-503	0-500mm/0-20"	±0.06mm	24	60	31	200	675
1136-601	0-600mm/0-24"	±0.05mm	18	45	24	100	770
1136-1002	0-1000mm/0-40"	±0.08mm	24	60	31	150	1220
1136-1502	0-1500mm/0-60"	±0.11mm	24	60	42	150	1780
1136-2002	0-2000mm/0-80"	±0.14mm	24	60	42	150	2290

## Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	a	b	c	d	L
1136-301WL	0-300mm/0-12"	±0.05mm	18	45	24	100	420
1136-451WL	0-450mm/0-18"	±0.05mm	18	45	24	100	625
1136-501WL	0-500mm/0-20"	±0.05mm	18	45	24	100	675
1136-502WL	0-500mm/0-20"	±0.06mm	18	45	24	150	675
1136-601WL	0-600mm/0-24"	±0.05mm	18	45	24	100	770

**DATA  
OUTPUT**


- Non waterproof
- Resolution: 0.01mm/0.0005"
- Button function: on/off, zero, mm/inch, ABS, data preset
- Battery CR2032
- Made of stainless steel

**DIGITAL CALIPERS**
**2**


With data interface (data output cable code 7315-22  
need receiver page 4, 7302-22 page 12, optional) (mm)

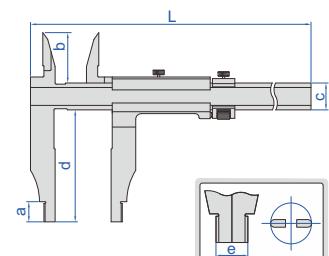
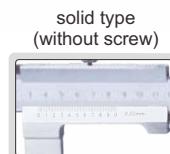
Code	Range	Accuracy	a	c	d	L
1135-451	0-450mm/0-18"	±0.05mm	45	24	100	625
1135-601	0-600mm/0-24"	±0.05mm	45	24	100	770
1135-1002	0-1000mm/0-40"	±0.08mm	60	31	150	1220

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required) (mm)

Code	Range	Accuracy	a	c	d	L
1135-451WL	0-450mm/0-18"	±0.05mm	45	24	100	625
1135-601WL	0-600mm/0-24"	±0.05mm	45	24	100	770

**VERNIER CALIPERS (SOLID TYPE)**


- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



Graduation 0.05mm/1/128" (mm)

Code	Range	Accuracy	a	b	c	d	e	L
1236-394	0-300mm/0-12"	±0.07mm	12	38	20	90	10	450
1236-514	0-500mm/0-20"	±0.07mm	18	45	24	100	20	670
1236-524	0-500mm/0-20"	±0.08mm	18	45	24	150	20	670
1236-614	0-600mm/0-24"	±0.08mm	18	45	24	100	20	770
1236-824	0-800mm/0-32"	±0.09mm	24	60	31	150	20	1030
1236-1024	0-1000mm/0-40"	±0.12mm	24	60	31	150	20	1230

Graduation 0.02mm (mm)

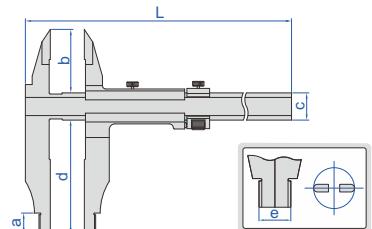
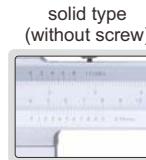
Code	Range	Accuracy	a	b	c	d	e	L
1236-511	0-500mm	±0.05mm	18	45	24	100	20	670
1236-521	0-500mm	±0.06mm	18	45	24	150	20	670
1236-1021	0-1000mm	±0.08mm	24	60	31	150	20	1230

**VERNIER CALIPERS (SOLID TYPE)**


- Graduation 0.05mm/1/128"
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface

(mm)

Code	Range	Accuracy	a	b	c	d	e	L
1207-394	0-300mm/0-12"	±0.07mm	12	40	20	90	10	440
1207-514	0-500mm/0-20"	±0.07mm	18	56	24	100	20	670
1207-524	0-500mm/0-20"	±0.08mm	18	56	24	150	20	670
1207-824	0-800mm/0-32"	±0.09mm	24	67	31	150	20	930
1207-1024	0-1000mm/0-40"	±0.12mm	24	67	31	150	20	1230



## VERNIER CALIPERS (SOLID TYPE)

2

- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1208-511

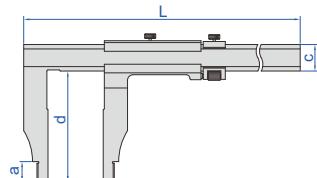
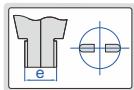
Graduation 0.05mm/1/128"

Code	Range	Accuracy	a	c	d	e	L	(mm)
1208-214	0-200mm/0-8"	±0.06mm	10	20	100	10	330	
1208-394	0-300mm/0-12"	±0.07mm	10	20	90	10	410	
1208-324	0-300mm/0-12"	±0.07mm	18	24	150	20	410	
1208-524	0-500mm/0-20"	±0.08mm	18	24	150	20	670	
1208-614	0-600mm/0-24"	±0.08mm	18	24	100	20	770	
1208-624	0-600mm/0-24"	±0.09mm	18	24	150	20	770	
1208-824	0-800mm/0-32"	±0.09mm	24	31	150	20	1030	
1208-1024	0-1000mm/0-40"	±0.12mm	24	31	150	20	1230	
1208-1524	0-1500mm/0-60"	±0.16mm	24	42	150	20	1820	
1208-2024	0-2000mm/0-80"	±0.20mm	24	42	150	20	2330	



Graduation 0.02mm

Code	Range	Accuracy	a	c	d	e	L	(mm)
1208-511	0-500mm	±0.05mm	18	24	100	20	670	
1208-521	0-500mm	±0.06mm	18	24	150	20	670	
1208-1021	0-1000mm	±0.08mm	24	31	150	20	1230	
1208-1521	0-1500mm	±0.11mm	24	42	150	20	1820	



## VERNIER CALIPERS (SOLID TYPE)

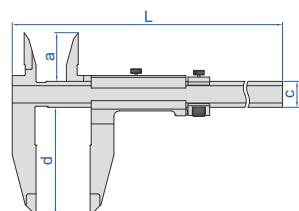
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



1210-611

Graduation 0.05mm/1/128"

Code	Range	Accuracy	a	c	d	L	(mm)
1210-614	0-600mm/0-24"	±0.08mm	45	24	100	770	
1210-1024	0-1000mm/0-40"	±0.12mm	60	31	150	1230	



Graduation 0.02mm

Code	Range	Accuracy	a	c	d	L	(mm)
1210-611	0-600mm	±0.05mm	45	24	100	770	
1210-1021	0-1000mm	±0.08mm	60	31	150	1230	

**POPULAR  
MODEL**

## VERNIER CALIPERS (SEPARATE TYPE)

2

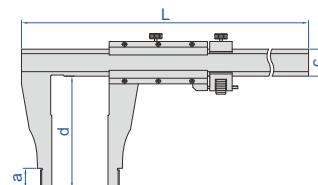
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



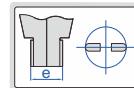
1214-500

Graduation 0.02mm/0.001"

Code	Range	Accuracy	a	c	d	e	(mm) L
1214-300	0-300mm/0-12"	±0.05mm	10	20	75	10	410
1214-450	0-450mm/0-18"	±0.05mm	18	24	100	20	620
1214-500	0-500mm/0-20"	±0.05mm	18	24	100	20	670
1214-600	0-600mm/0-24"	±0.05mm	18	24	100	20	770
1214-1000	0-1000mm/0-40"	±0.08mm	24	32	140	20	1216
1214-1500	0-1500mm/0-60"	±0.12mm	24	42	200	20	1830
1214-2000	0-2000mm/0-80"	±0.14mm	24	42	200	20	2320



separate type  
(with screws)



Graduation 0.05mm/1/128"

Code	Range	Accuracy	a	c	d	e	(mm) L
1214-6004	0-600mm/0-24"	±0.08mm	18	24	100	20	770
1214-1004	0-1000mm/0-40"	±0.12mm	24	32	140	20	1216

## LONG JAW VERNIER CALIPERS (SEPARATE TYPE)

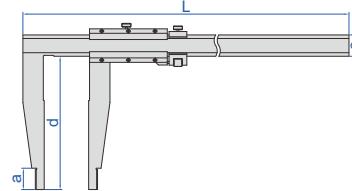
- With fine adjustment
- Made of stainless steel
- Satin chrome plated reading surface



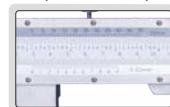
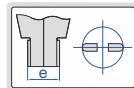
1215-1032

Graduation 0.02mm/0.001"

Code	Range	Accuracy	a	c	d	e	(mm) L
1215-392	0-300mm/0-12"	±0.05mm	10	17	90	10	410
1215-322	0-300mm/0-12"	±0.05mm	18	24	150	20	470
1215-522	0-500mm/0-20"	±0.06mm	18	24	150	20	670
1215-532	0-500mm/0-20"	±0.06mm	18	24	200	20	670
1215-622	0-600mm/0-24"	±0.06mm	18	24	150	20	770
1215-642	0-600mm/0-24"	±0.08mm	24	32	250	20	870
1215-822	0-800mm/0-32"	±0.07mm	24	32	150	20	1020
1215-832	0-800mm/0-32"	±0.07mm	24	32	200	20	1020
1215-1032	0-1000mm/0-40"	±0.08mm	24	32	200	20	1220
1215-1052	0-1000mm/0-40"	±0.11mm	24	42	300	20	1330
1215-3052	0-3000mm/0-120"	±0.26mm	24	50	300	20	3360



separate type  
(with screws)

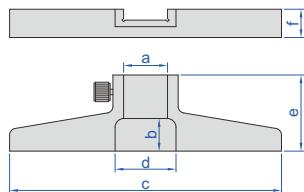
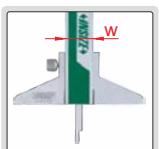


Graduation 0.05mm/1/128"

Code	Range	Accuracy	a	c	d	e	(mm) L
1215-524	0-500mm/0-20"	±0.08mm	18	24	150	20	670
1215-1034	0-1000mm/0-40"	±0.12mm	24	32	200	20	1330

## DEPTH BASE ATTACHMENTS

2



6140

6140-16B

- To increase the stability of depth measurement
- Suitable for digital calipers and dial calipers
- Made of stainless steel

Code	a	b	c	d	e	f	Type	Application	(mm)
6140	16.5	9	75	18	30	6	narrow base (f=6)	suitable for calipers with beam width (w) 16mm	
6140-300A	20	15	125	22	34	9	narrow base (f=9)	suitable for calipers with beam width (w) 20mm	
6140-16B	16	12.5	75	24.5	30	11	wide base (f=11), high stability	suitable for calipers with beam width (w) 16mm	
6140-300B	20	15	125	28	35	13	wide base (f=13), high stability	suitable for calipers with beam width (w) 20mm	

## CALIPER/HEIGHT GAGE CHECKERS

REFER TO PAGE 332  
FOR DETAILS



horizontal use



vertical use

6884-300

## CALIPER END GRINDING MACHINE CODE 6309



on/off

application



- Used for grinding the depth measuring surface of the end of calipers

### SPECIFICATION

Power supply	220V, 50/60Hz
Dimension (L×W×H)	370×200×160mm
Weight	15kg

REFER TO PAGE 162  
FOR DETAILS

## CALIPER/MICROMETER LAPPING MACHINE CODE 6318

2

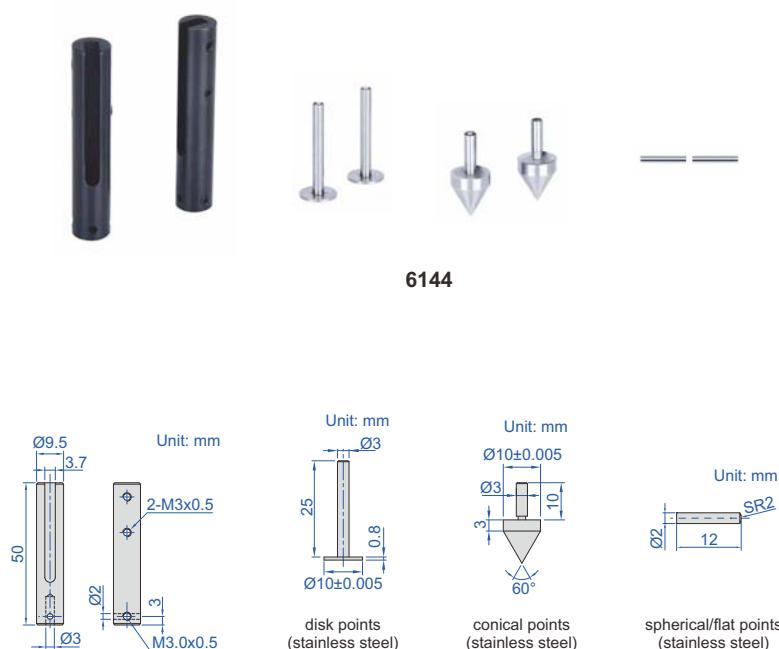
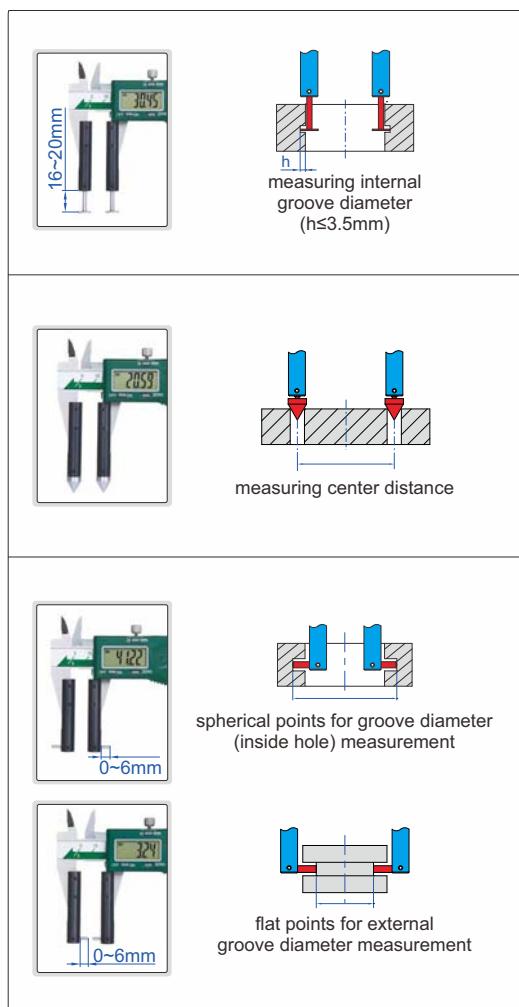


- For lapping measuring surfaces of caliper lower jaws

lapping measuring surfaces of caliper lower jaws



## ACCESSORY SET FOR DIGITAL CALIPERS CODE 6144

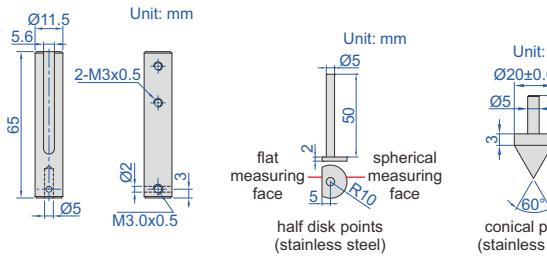


- Suitable for 0-150mm/0-6" and 0-200mm/0-8" digital calipers (thickness of lower jaws≤3.7mm)

Code  
**6144**

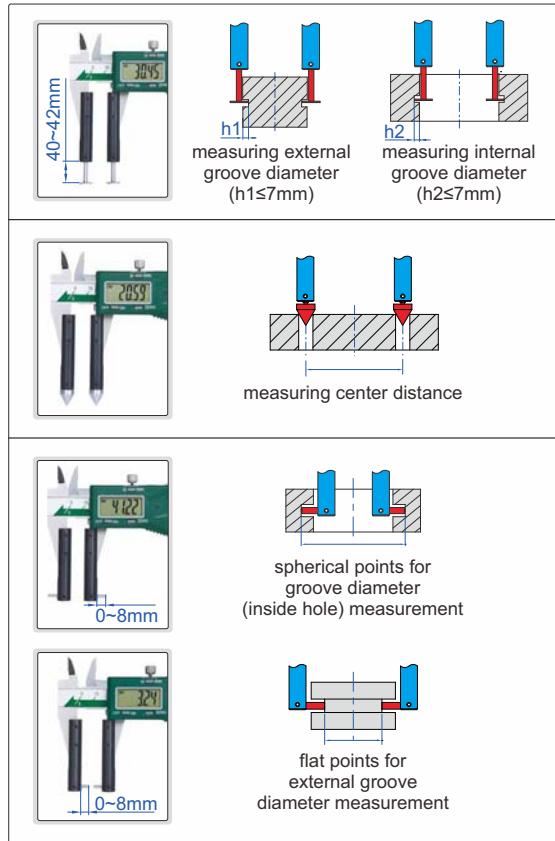
## ACCESSORY SET FOR LARGE DIGITAL CALIPERS CODE 6145-500

2

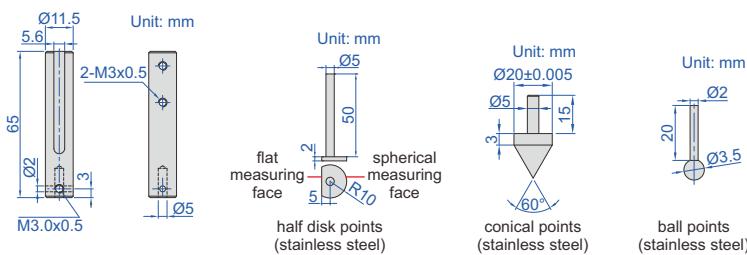


- Suitable for 0-500mm/0-20" and 0-600mm/0-24" digital calipers (thickness of lower jaws≤5.6mm)

Code  
6145-500

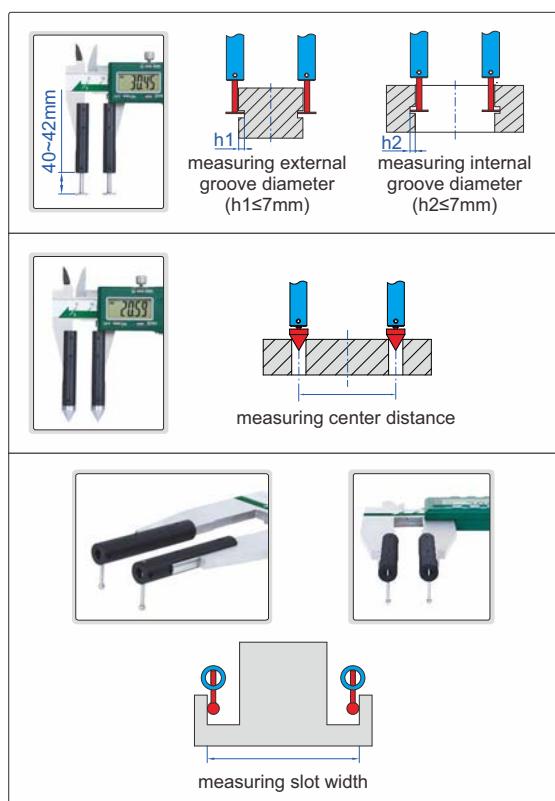


## ACCESSORY SET FOR LARGE DIGITAL CALIPERS (WITH SIDE POINTS) CODE 6146-500B



- Suitable for 0-500mm/0-20" and 0-600mm/0-24" digital calipers (thickness of lower jaws≤5.6mm)

Code  
6146-500B





**DATA  
OUTPUT**

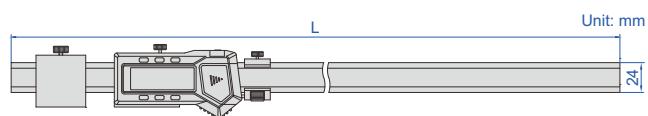


## UNIVERSAL CALIPERS

2

- Non waterproof
- Buttons: on/off, set, mm/inch, ABS, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

1125-600



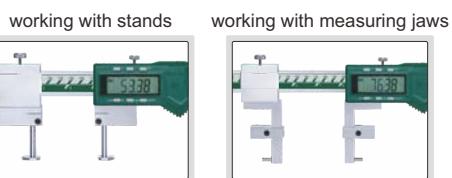
With data interface (data output cable)  
code 7315-22 need receiver page 4, 7302-22 page 12, optional)

Code	Range*	Resolution	Accuracy	L
1125-600	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	778mm
1125-1000	0-1000mm/0-40"	0.01mm/0.0005"	±0.07mm	1205mm

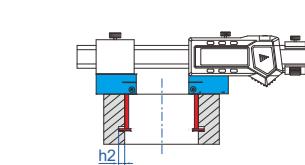
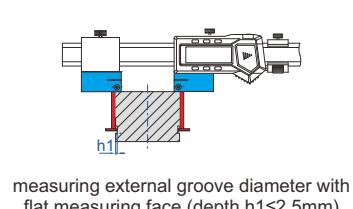
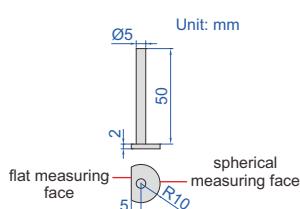
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range*	Resolution	Accuracy	L
1125-600WL	0-600mm/0-24"	0.01mm/0.0005"	±0.05mm	778mm
1125-1000WL	0-1000mm/0-40"	0.01mm/0.0005"	±0.07mm	1205mm

\*The range changes according to different points

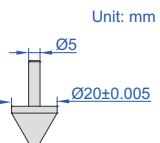


### Half disk points (included)

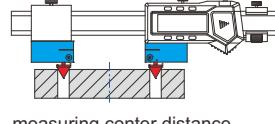


measuring internal groove diameter with spherical measuring face (depth  $h2 \leq 7.5\text{mm}$ )

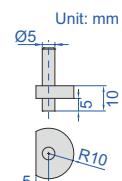
### Conical points (optional)



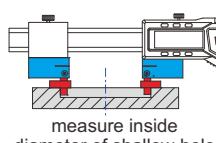
Code  
1125-T101



### Round shoulder points (optional)

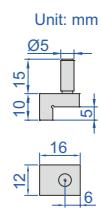


Code  
1125-T102

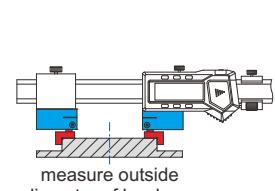


measure inside diameter of shallow hole

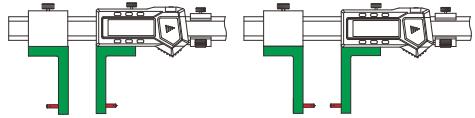
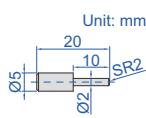
### Flat shoulder points (optional)



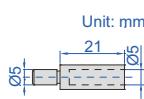
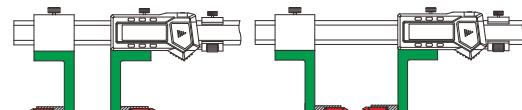
Code  
1125-T103



### Spherical points (included)

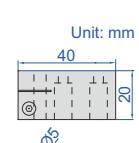


### Point sleeve (optional)



Code  
1125-T104

### Stands (included)

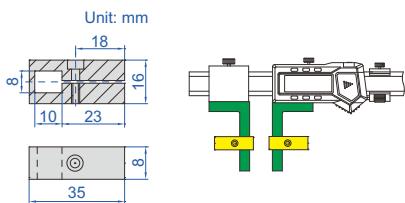


To be continued

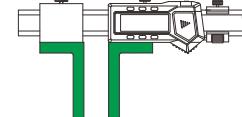
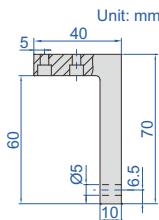
Continued from previous page

2

**Depth stop (included)**



**Measuring jaws (included)**



**Multifunctional points 7392\* (optional, page 39)**



\*It is necessary to use point sleeve (code 1125-T104) for these points

**Ball points 7391\* (optional, page 39)**



**Screw thread points 7381\*, 7321\* (optional, page 39)**



## DIGITAL CALIPERS WITH INTERCHANGEABLE POINTS

DATA  
OUTPUT

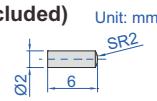


1526-200

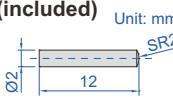
- Non waterproof
- Supplied with 3 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points



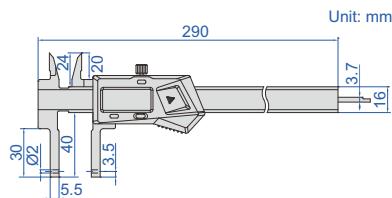
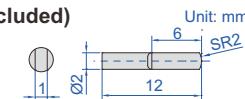
**short spherical points (included)**



**long spherical/flat points (included)**



**spherical blade points (included)**



**With data interface**

Code	Data output cable (optional)
1526-200	code 7315-21 need receiver page 4, 7302-21 page 12

**Built-in wireless**

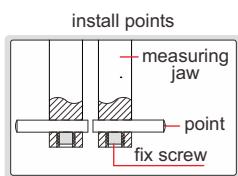
Code	Receiver (optional)
1526-200WL	code 7315-2/3/6/7/8/9

Point	Range	Accuracy	Application
short spherical points	12-212mm/0.5-8.5" (internal)	±0.03mm	for grooves inside small hole
long spherical/flat points	24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external)	±0.03mm	spherical points for grooves inside hole flat points for external grooves
spherical blade points	24-224mm/1-8.8" (internal) 0-187mm/0-7.5" (external)	±0.03mm	for narrow grooves inside hole

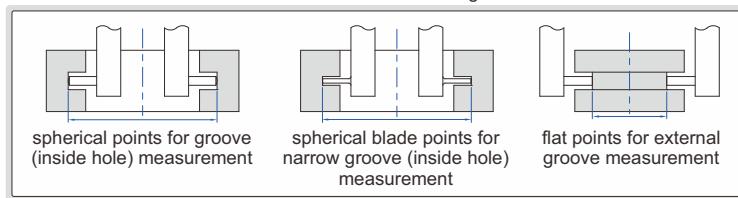


VIDEO

zero setting block for external measurement (included)



measure internal and external grooves



To be continued

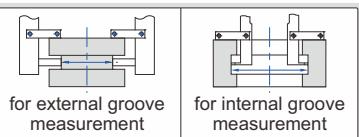
Continued from previous page

#### Depth stop (optional)

Code	Unit: mm
6143	25 2.5 3.6 5 2-M3x0.5 2.5 2.5 4.4 10 5



6143



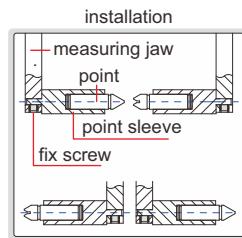
for external groove measurement

for internal groove measurement

#### Point sleeve (optional)

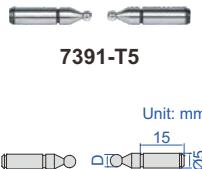


1526-T101



Code
1526-T101

#### Ball points (optional)



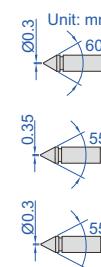
7391-T5

\* It is necessary to use point sleeve (code 1526-T101) for these points

\*\* Range of 1526-200 and 1526-200WL after installing the points and point sleeve

Code	Ball dia. (D)	Range**
7391-T3*	SØ2.0mm	75-275mm/3.0-10.8" (internal) 0-146mm/0-5.7" (external)
7391-T4*	SØ2.5mm	76-276mm/3.0-10.8" (internal) 0-145mm/0-5.7" (external)
7391-T5*	SØ3.0mm	77-277mm/3.0-10.9" (internal) 0-144mm/0-5.6" (external)
7391-T6*	SØ3.5mm	78-278mm/3.1-10.9" (internal) 0-143mm/0-5.6" (external)
7391-T7*	SØ4.0mm	79-279mm/3.1-10.9" (internal) 0-142mm/0-5.6" (external)
7391-T8*	SØ4.5mm	80-280mm/3.2-11.0" (internal) 0-141mm/0-5.5" (external)
7391-T9*	SØ5.0mm	81-281mm/3.2-11.0" (internal) 0-140mm/0-5.5" (external)
7391-T10*	SØ6.0mm	83-283mm/3.3-11.1" (internal) 0-138mm/0-5.4" (external)

#### Multifunctional points (optional)



Code	Type
7392-T1*	flat
7392-T2*	spherical
7392-T3*	spline
7392-T4*	disk
7392-T5*	blade
7392-T6*	knife-edge
7392-T7*	point
7392-T8*	knife-edge
7392-T9*	point

#### Range\*\*

66-266mm/2.6-10.5" (internal), 0-155mm/0-6.1" (external)

\*\* Range of 1526-200 and 1526-200WL after installing the points and point sleeve

\* It is necessary to use point sleeve (code 1526-T101) for these points

#### Screw thread points (optional)



#### Internal thread (60° thread angle)

Code	Pitch
7321-T11*	0.4-0.5mm/64-48TPI
7321-T12*	0.6-0.9mm/44-28TPI
7321-T13*	1-1.75mm/24-14TPI
7321-T14*	2-3mm/13-9TPI
7321-T15*	3.5-5mm/8-5TPI
7321-T16*	5.5-7mm/4.5-3.5TPI
7321-T1S*	6 pairs/set, including all above points

\* It is necessary to use point sleeve (code 1526-T101) for these points

#### External thread (60° thread angle)

Code	Pitch
7381-T11*	0.4-0.5mm/64-48TPI
7381-T12*	0.6-0.9mm/44-28TPI
7381-T13*	1-1.75mm/24-14TPI
7381-T14*	2-3mm/13-9TPI
7381-T15*	3.5-5mm/8-5TPI
7381-T16*	5.5-7mm/4.5-3.5TPI
7381-TS*	6 pairs/set, including all above points

#### Range\*\*

66-266mm/2.6-10.5" (internal)  
0-155mm/0-6.1" (external)

\*\* Range of 1526-200 and 1526-200WL after installing the points and point sleeve

## DIGITAL CALIPERS WITH INTERCHANGEABLE POINTS

DATA  
OUTPUT

2

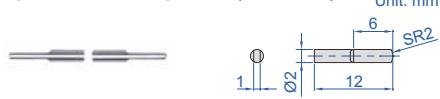
## short spherical/flat points (included)



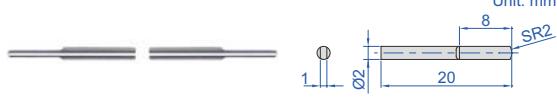
## long spherical/flat points (included)



## short spherical blade points (included)



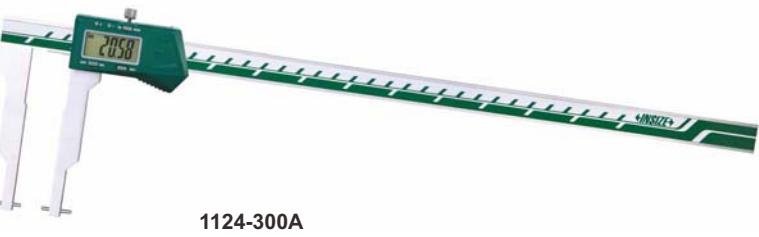
## long spherical blade points (included)



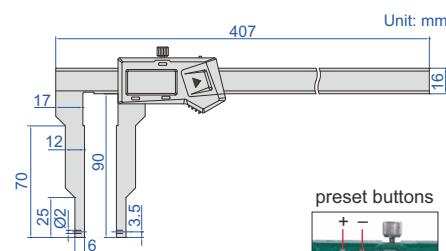
- Non waterproof
- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points (code 1526-T101, 7392, 7391, 7381, 7321), depth stop (code 6143)

## With data interface

Code	Data output cable (optional)
1124-300A	code 7315-21 need receiver page 4, 7302-21 page 12



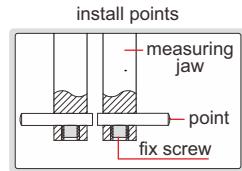
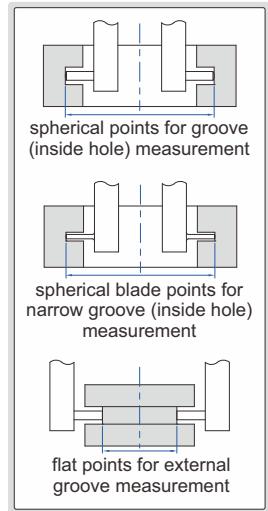
1124-300A



zero setting block for external measurement (included)



measure internal and external grooves



## Built-in wireless

Code	Receiver (optional)
1124-300AWL	code 7315-2/3/6/7/8/9

Point	Range	Accuracy	Application
short spherical/flat points	24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external)	±0.04mm	spherical points for grooves inside hole (small hole) flat points for external grooves
long spherical/flat points	40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external)	±0.04mm	spherical points for grooves inside hole (large hole) flat points for external grooves
short spherical blade points	24-324mm/1-12.7" (internal) 0-288mm/0-11.3" (external)	±0.04mm	for narrow grooves inside hole (small hole)
long spherical blade points	40-340mm/1.5-13.3" (internal) 0-272mm/0-10.7" (external)	±0.04mm	for narrow grooves inside hole (large hole)

Multifunctional points 7392\*  
(optional, page 39)

## Ball points 7391\* (optional, page 39)



## Screw thread points 7381\*, 7321\* (optional, page 39)



\*It is necessary to use point sleeve (code 1526-T101) for these points

DATA  
OUTPUT

VARIOUS POINTS ARE  
AVAILABLE (PAGE 250-252)

## DIGITAL CALIPERS WITH INTERCHANGEABLE POINTS



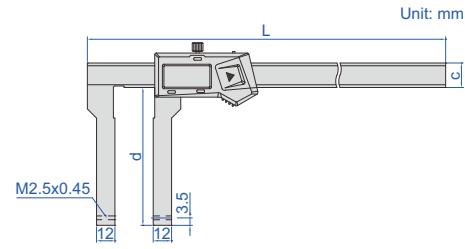
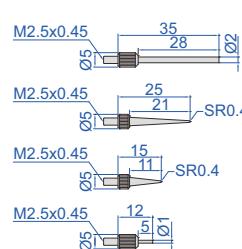
2

preset buttons

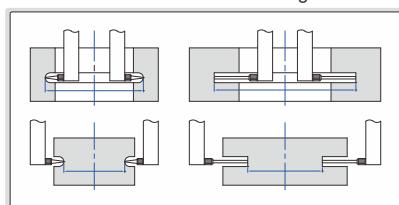


1530-300

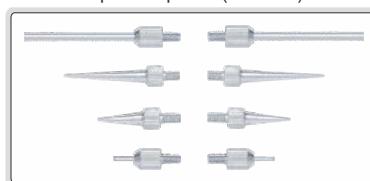
- Non waterproof
- Supplied with 4 pairs of points and zero setting block for external measurement
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: points (page 250~252), depth stop (code 6143)



measure internal and external grooves



4 pairs of points (included)



zero setting block for  
external measurement  
(included)



depth stop 6143 (optional)



Code	Range*	Accuracy	L	d	c	Data output cable (optional)
1530-300	0-300mm/0-12"	±0.06mm	407	90	16	7315-21 need receiver page 4, 7302-21 page 12
1530-500	0-500mm/0-20"	±0.08mm	740	100	24	7315-22 need receiver page 4, 7302-22 page 12

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

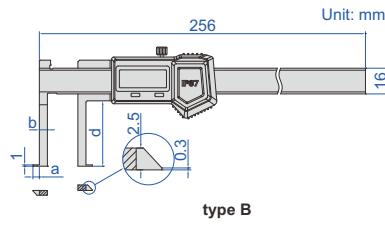
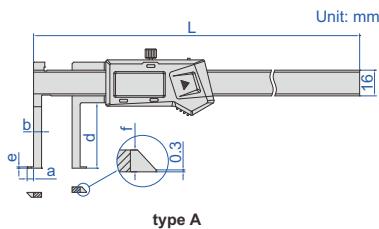
(mm)

Code	Range*	Accuracy	L	d	c
1530-300WL	0-300mm/0-12"	±0.06mm	407	90	16
1530-500WL	0-500mm/0-20"	±0.08mm	740	100	24

\* For different points, the measuring range changes accordingly

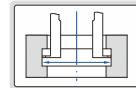
## DIGITAL INSIDE GROOVE CALIPERS

2



- Measure diameter of grooves inside small bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -),  
type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

depth stop 6143  
(optional)



Non waterproof, with data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Type	Accuracy	L	a	b	d	e	f
1520-150	11-150mm/0.43-6"	A	±0.04mm	236mm	3.5mm	5mm	41mm	1mm	2.5mm
1520-200	16-200mm/0.63-8"	A	±0.04mm	285mm	5mm	7mm	41mm	1mm	3mm
1520-300	20-300mm/0.79-12"	A	±0.05mm	398mm	7.5mm	9mm	62mm	2mm	4mm

Non waterproof, built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Type	Accuracy	L	a	b	d	e	f
1520-150WL	11-150mm/0.43-6"	A	±0.04mm	236mm	3.5mm	5mm	41mm	1mm	2.5mm
1520-200WL	16-200mm/0.63-8"	A	±0.04mm	285mm	5mm	7mm	41mm	1mm	3mm
1520-300WL	20-300mm/0.79-12"	A	±0.05mm	398mm	7.5mm	9mm	62mm	2mm	4mm

IP67 dust/waterproof, no automatic power off, set zero after power on each time, without data interface

Code	Range	Type	Accuracy	a	b	d
1520-150P	14-150mm/0.56-6"	B	±0.04mm	5mm	7mm	30mm
1520-1501P	8-150mm/0.31-6"	B	±0.04mm	2mm	4mm	40mm

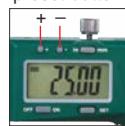
**DATA  
OUTPUT**

## DIGITAL INSIDE POINT CALIPERS

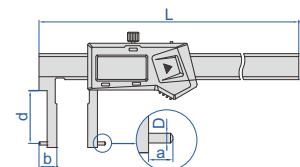
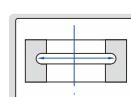
**2**

 depth stop 6143  
(optional)


preset buttons


**1121-150A**  
type A

- Non waterproof
- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)  
type B: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: depth stop  
(code **6143**, for calipers with c=16mm)


**1121-150B**  
type B


Preset (no need to add the width of the jaws on the reading), with data interface

(mm)

Code	Range	Type	Accuracy	L	a	b	c	d	D	Data output cable (optional)
1121-150A	24-150mm/0.94-6"	A	±0.04mm	250	5	12	16	28	Ø2	7315-21 need receiver page 4, 7302-21 page 12
1121-1501	35-150mm/1.38-6"	A	±0.05mm	250	6	17.5	16	60	Ø2	7315-21 need receiver page 4, 7302-21 page 12
1121-200A	25-200mm/0.98-8"	A	±0.04mm	310	5	12.5	16	37	Ø2	7315-21 need receiver page 4, 7302-21 page 12
1121-2001	40-200mm/1.57-8"	A	±0.05mm	310	7	20	16	70	Ø3	7315-21 need receiver page 4, 7302-21 page 12
1121-300A	30-300mm/1.18-12"	A	±0.07mm	410	5	15	16	50	Ø2	7315-21 need receiver page 4, 7302-21 page 12
1121-3001A	50-300mm/1.97-12"	A	±0.07mm	410	8	25	16	77	Ø3	7315-21 need receiver page 4, 7302-21 page 12
1121-500A	40-500mm/1.57-20"	A	±0.07mm	680	5	20	24	90	Ø3	7315-22 need receiver page 4, 7302-22 page 12
1121-5001	60-500mm/2.36-20"	A	±0.08mm	680	10	30	24	120	Ø3	7315-22 need receiver page 4, 7302-22 page 12
1121-5002	80-500mm/3.15-20"	A	±0.08mm	680	16	40	24	150	Ø3	7315-22 need receiver page 4, 7302-22 page 12

Preset (no need to add the width of the jaws on the reading), built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Type	Accuracy	L	a	b	c	d	D
1121-150AWL	24-150mm/0.94-6"	A	±0.04mm	250mm	5mm	12mm	16mm	28mm	Ø2mm
1121-1501WL	35-150mm/1.38-6"	A	±0.05mm	250mm	6mm	17.5mm	16mm	60mm	Ø2mm
1121-200AWL	25-200mm/0.98-8"	A	±0.04mm	310mm	5mm	12.5mm	16mm	37mm	Ø2mm
1121-2001WL	40-200mm/1.57-8"	A	±0.05mm	310mm	7mm	20mm	16mm	70mm	Ø3mm
1121-300AWL	30-300mm/1.18-12"	A	±0.07mm	410mm	5mm	15mm	16mm	50mm	Ø2mm
1121-3001AWL	50-300mm/1.97-12"	A	±0.07mm	410mm	8mm	25mm	16mm	77mm	Ø3mm
1121-500AWL	40-500mm/1.57-20"	A	±0.07mm	680mm	5mm	20mm	24mm	90mm	Ø3mm
1121-5001WL	60-500mm/2.36-20"	A	±0.08mm	680mm	10mm	30mm	24mm	120mm	Ø3mm
1121-5002WL	80-500mm/3.15-20"	A	±0.08mm	680mm	16mm	40mm	24mm	150mm	Ø3mm

No preset (need to add the width of the jaws on the reading)

Code	Range	Type	Accuracy	L	a	b	c	d	D
1121-150B	50-150mm/1.97-6"	B	±0.06mm	270mm	8mm	25mm	20mm	90mm	Ø3mm
1121-200B	60-200mm/2.36-8"	B	±0.06mm	320mm	10mm	30mm	20mm	100mm	Ø3mm
1121-300B	60-300mm/2.36-12"	B	±0.07mm	420mm	10mm	30mm	20mm	110mm	Ø3mm

## DIGITAL INSIDE GROOVE CALIPERS

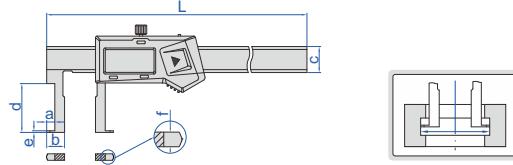
2

depth stop 6143  
(optional)



1120-150A  
type A

- Measure groove diameter
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)  
type B: on/off, zero, mm/inch  
type C: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop  
(code 6143, for calipers with c=16mm)



1120-150B  
type B



1120-150P  
type C

Non waterproof, preset (no need to add the width of the jaws on the reading), with data interface (mm)

Code	Range	Type	Accuracy	L	a	b	c	d	e	f	Data output cable (optional)
1120-150A	22-150mm/0.87-6"	A	±0.04mm	250	5	11	16	30	1	4	7315-21 need receiver page 4, 7302-21 page 12
1120-1501	35-150mm/1.38-6"	A	±0.06mm	250	6	17.5	16	60	1.5	4	7315-21 need receiver page 4, 7302-21 page 12
1120-200A	25-200mm/0.98-8"	A	±0.04mm	310	5	12.5	16	40	1	4	7315-21 need receiver page 4, 7302-21 page 12
1120-2001	40-200mm/1.57-8"	A	±0.06mm	310	7	20	16	70	2.5	4	7315-21 need receiver page 4, 7302-21 page 12
1120-300A	30-300mm/1.18-12"	A	±0.05mm	410	5	15	16	50	1.5	4	7315-21 need receiver page 4, 7302-21 page 12
1120-3001	50-300mm/1.97-12"	A	±0.07mm	410	8	25	16	80	2.5	4	7315-21 need receiver page 4, 7302-21 page 12
1120-500	40-500mm/1.57-20"	A	±0.07mm	680	5	20	24	90	2.2	5.5	7315-22 need receiver page 4, 7302-22 page 12
1120-5001	60-500mm/2.36-20"	A	±0.08mm	680	10	30	24	120	3.4	5.5	7315-22 need receiver page 4, 7302-22 page 12
1120-5002	80-500mm/3.15-20"	A	±0.08mm	680	16	40	24	150	5.2	5.5	7315-22 need receiver page 4, 7302-22 page 12

Non waterproof, preset (no need to add the width of the jaws on the reading), built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Type	Accuracy	L	a	b	c	d	e	f
1120-150AWL	22-150mm/0.87-6"	A	±0.04mm	250mm	5mm	11mm	16mm	30mm	1mm	4mm
1120-1501WL	35-150mm/1.38-6"	A	±0.06mm	250mm	6mm	17.5mm	16mm	60mm	1.5mm	4mm
1120-200AWL	25-200mm/0.98-8"	A	±0.04mm	310mm	5mm	12.5mm	16mm	40mm	1mm	4mm
1120-2001WL	40-200mm/1.57-8"	A	±0.06mm	310mm	7mm	20mm	16mm	70mm	2.5mm	4mm
1120-300AWL	30-300mm/1.18-12"	A	±0.05mm	410mm	5mm	15mm	16mm	50mm	1.5mm	4mm
1120-3001WL	50-300mm/1.97-12"	A	±0.07mm	410mm	8mm	25mm	16mm	80mm	2.5mm	4mm
1120-500WL	40-500mm/1.57-20"	A	±0.07mm	680mm	5mm	20mm	24mm	90mm	2.2mm	5.5mm
1120-5001WL	60-500mm/2.36-20"	A	±0.08mm	680mm	10mm	30mm	24mm	120mm	3.4mm	5.5mm
1120-5002WL	80-500mm/3.15-20"	A	±0.08mm	680mm	16mm	40mm	24mm	150mm	5.2mm	5.5mm

Non waterproof, no preset (need to add the width of the jaws on the reading)

Code	Range	Type	Accuracy	L	a	b	c	d	e	f
1120-150B	50-150mm/1.97-6"	B	±0.06mm	270mm	8mm	25mm	20mm	90mm	3.4mm	4mm
1120-200B	60-200mm/2.36-8"	B	±0.06mm	320mm	10mm	30mm	20mm	100mm	3.4mm	4mm
1120-300B	60-300mm/2.36-12"	B	±0.07mm	420mm	10mm	30mm	20mm	110mm	3.4mm	4mm

IP67 dust/waterproof, no automatic power off, set zero after power on each time, no preset (need to add the width of the jaws on the reading), without data interface

Code	Range	Type	Accuracy	L	a	b	c	d	e	f
1120-150P	22-150mm/0.87-6"	C	±0.04mm	250mm	5mm	11mm	16mm	30mm	1mm	4mm

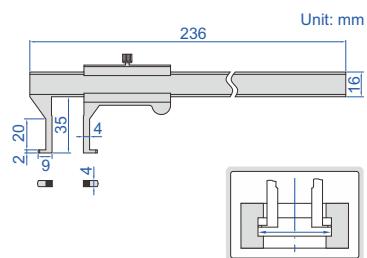
## INSIDE GROOVE VERNIER CALIPER

- Measure diameter of grooves inside bores
- Made of stainless steel
- Satin chrome plated reading surface



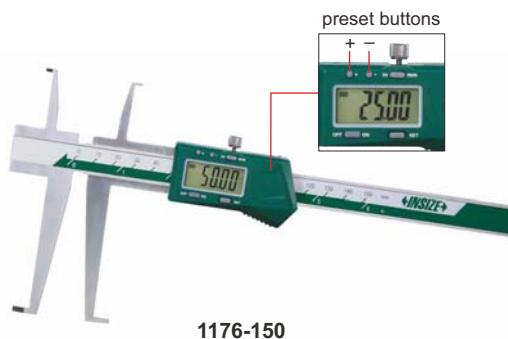
1262-150A

Code	Range	Graduation	Accuracy
1262-150A	18-150mm	0.02mm	±0.04mm



2

## DIGITAL INSIDE GROOVE CALIPERS



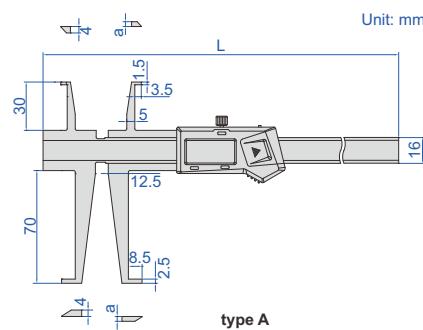
1176-150



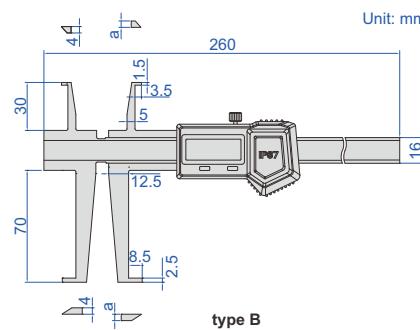
1176-150P



depth stop 6143  
(optional)



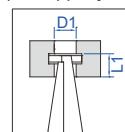
type A



type B

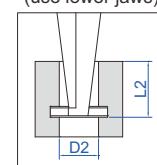
- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)  
type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured  
(use upper jaws)



(mm)	
D1	L1
Ø9	<8
Ø10	<15
Ø11~200	<30

sizes to be measured  
(use lower jaws)



(mm)	
D2	L2
Ø17	<16
Ø18	<28
Ø19	<40
Ø20	<50
Ø21	<58
Ø22~200	<70

### Non waterproof, with data interface

(data output cable code 7302-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range of upper jaw	Range of lower jaw	Type	Accuracy	L	a
1176-150	9-150mm/0.35-6"	17-150mm/0.70-6"	A	±0.04mm	260mm	3mm
1176-200	9-200mm/0.35-8"	17-200mm/0.70-8"	A	±0.05mm	320mm	3.5mm

### Non waterproof, built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range of upper jaw	Range of lower jaw	Type	Accuracy	L	a
1176-150WL	9-150mm/0.35-6"	17-150mm/0.70-6"	A	±0.04mm	260mm	3mm
1176-200WL	9-200mm/0.35-8"	17-200mm/0.70-8"	A	±0.05mm	320mm	3.5mm

### IP67 dust/waterproof, without data interface, no automatic power off, set zero after power on each time

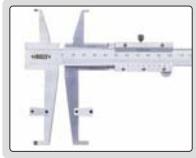
Code	Range of upper jaw	Range of lower jaw	Type	Accuracy	a
1176-150P	9-150mm/0.35-6"	17-150mm/0.70-6"	B	±0.04mm	4mm

## INSIDE GROOVE CALIPERS

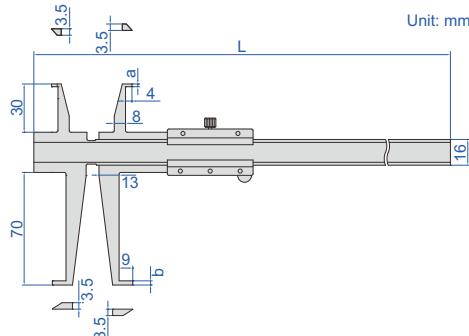
2



depth stop 6143  
(optional)

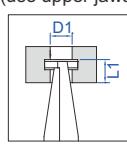


1199-150



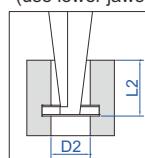
- Measure diameter of grooves inside bores
- Graduation: 0.02mm
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured  
(use upper jaws)



(mm)	
D1	L1
Ø9	<8
Ø10	<12
Ø11	<15
Ø12	<20
Ø13~300	<30

sizes to be measured  
(use lower jaws)

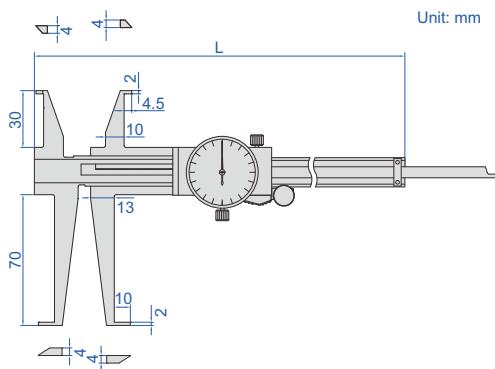


(mm)	
D2	L2
Ø18	<30
Ø19	<40
Ø20	<45
Ø21	<55
Ø22	<60
Ø23~300	<70

Code	Range of upper jaw	Range of lower jaw	Accuracy	L	a	b
1199-150	9-150mm	18-150mm	±0.04mm	248mm	1.6mm	2.5mm
1199-200	9-200mm	18-200mm	±0.05mm	298mm	1.8mm	2.8mm
1199-300	9-300mm	18-300mm	±0.06mm	398mm	2.0mm	3.0mm

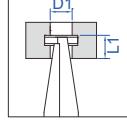
## INSIDE GROOVE DIAL CALIPERS

SHOCK  
PROOF



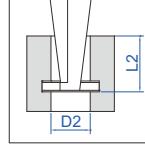
- Measure diameter of grooves inside bores
- Shockproof dial indicator
- Dial indicator graduation: 0.02mm
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

sizes to be measured  
(use upper jaws)



(mm)	
D1	L1
Ø11	<8
Ø12	<10
Ø13	<15
Ø14	<20
Ø15~300	<30

sizes to be measured  
(use lower jaws)



(mm)	
D2	L2
Ø18	<20
Ø19	<28
Ø20	<35
Ø21	<40
Ø22	<50
Ø23~300	<70

Code	Range of upper jaw	Range of lower jaw	Accuracy	L
1376-150	11-150mm	18-150mm	±0.03mm	240mm
1376-200	11-200mm	18-200mm	±0.03mm	290mm
1376-300	11-300mm	18-300mm	±0.04mm	390mm

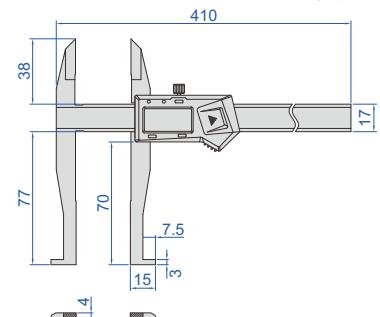
**DATA  
OUTPUT**
**DIGITAL DEEP HOLE INSIDE GROOVE CALIPERS**

preset buttons



Unit: mm

depth stop 6143 (optional)



- Non waterproof
- Measure diameter of grooves inside deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

With data interface (data output cable)

code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range of upper jaw	Range of lower jaw	Accuracy
1129-300	0-300mm/0-12"	30-300mm/1.2-12"	±0.06mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

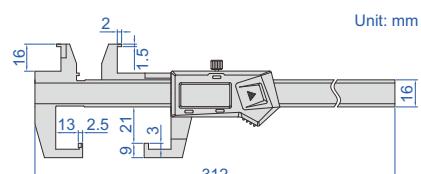
Code	Range of upper jaw	Range of lower jaw	Accuracy
1129-300WL	0-300mm/0-12"	30-300mm/1.2-12"	±0.06mm

**DATA  
OUTPUT**
**DIGITAL INSIDE GROOVE CALIPERS**

- Non waterproof
- Measure diameter or distance of grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



Unit: mm



With data interface (data output cable)

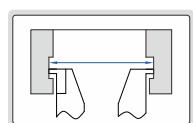
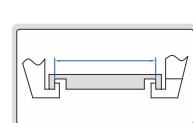
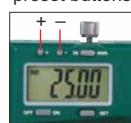
code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range of upper jaw	Range of lower jaw	Accuracy
1128-200	10-200mm/0.39-8"	3-200mm/0.12-8"	±0.03mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

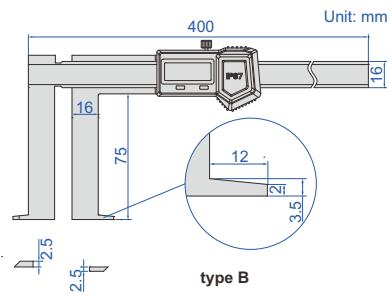
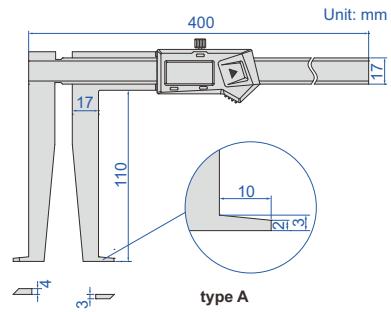
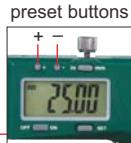
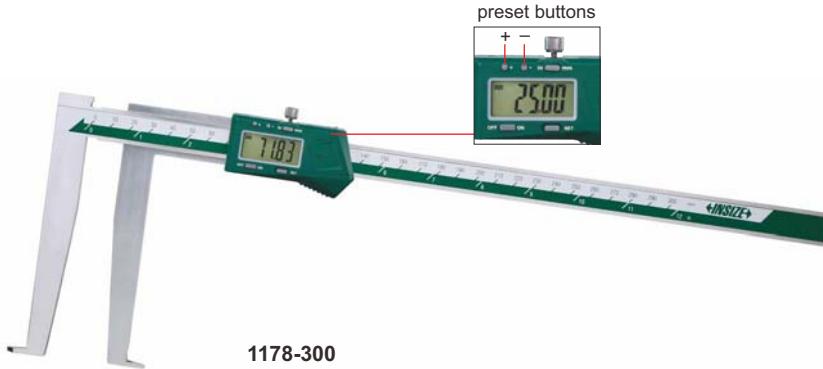
Code	Range of upper jaw	Range of lower jaw	Accuracy
1128-200WL	10-200mm/0.39-8"	3-200mm/0.12-8"	±0.03mm

preset buttons



## DIGITAL INSIDE GROOVE CALIPERS

2



- Measure diameter of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, set, mm/inch, preset (+, -)  
type B: on/off, zero, mm/inch, ABS/REL, hold
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)

depth stop 6143  
(optional)



**Non waterproof, built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)**

Code	Range	Type	Accuracy
1178-300WL	25-300mm/1.18-12"	A	±0.05mm

**Non waterproof, with data interface (data output cable  
code 7315-21 need receiver page 4, 7302-21 page 12, optional)**

Code	Range	Type	Accuracy
1178-300	25-300mm/1.18-12"	A	±0.05mm

**IP67 dust/waterproof, no automatic power off, set zero  
after power on each time, without data interface**

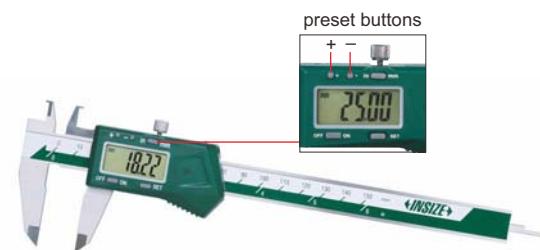
Code	Range	Type	Accuracy
1178-300P	33-300mm/1.30-12"	B	±0.05mm

**DATA  
OUTPUT**

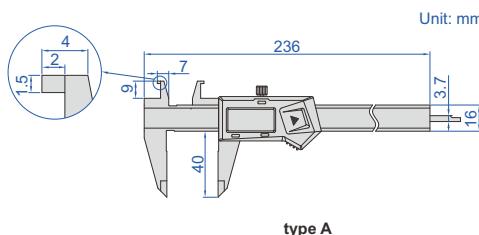
## DIGITAL INSIDE GROOVE CALIPERS



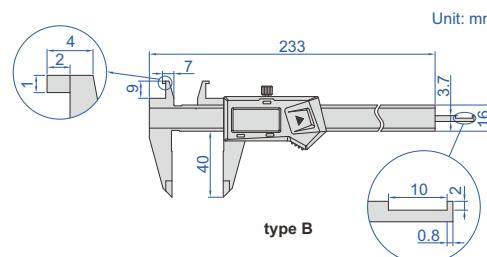
1191-150



1191-150B



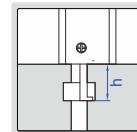
type A



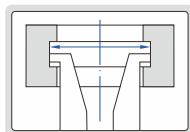
type B

- Non waterproof
- Upper jaws for measuring diameter of grooves
- Resolution: 0.01mm/0.0005"
- Buttons type A: on/off, zero, mm/inch
- Buttons type B: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

measure depth of grooves (h<10mm, only for type B)



measure diameter of grooves 8-150mm



### With data interface

(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

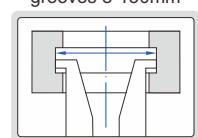
Code	Range of upper jaw	Range of lower jaw	Accuracy	Type
1191-150	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	A
1191-150B	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	B

### Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

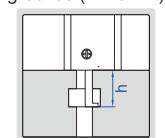
Code	Range of upper jaw	Range of lower jaw	Accuracy	Type
1191-150WL	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	A
1191-150BWL	8-150mm/0.3-6"	0-150mm/0-6"	±0.03mm	B

## INSIDE GROOVE VERNIER CALIPER

measure diameter of grooves 8-150mm



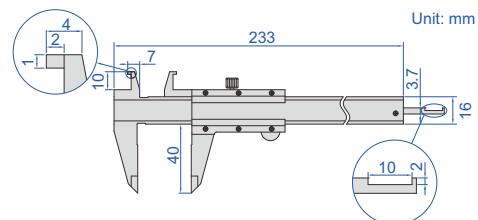
measure depth of grooves (h<10mm)



1291-150

- Graduation: 0.02mm
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range of upper jaw	Range of lower jaw	Accuracy
1291-150	8-150mm	0-150mm	±0.03mm



## DIGITAL OUTSIDE NECK CALIPERS

**DATA  
OUTPUT**

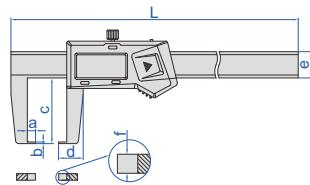
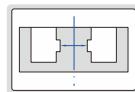
**2**

- Non waterproof
- Measure grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143, for calipers with e=16mm)



1187-150A

depth stop 6143  
(optional)



With data interface

(mm)

Code	Range	Accuracy	L	a	b	c	d	e	f	Data output cable (optional)
1187-150A	0-150mm/0-6"	±0.04mm	250	5	1	40	15	16	4	7315-21 need receiver page 4, 7302-21 page 12
1187-200A	0-200mm/0-8"	±0.05mm	310	9	1.5	80	23	16	4	7315-21 need receiver page 4, 7302-21 page 12
1187-300A	0-300mm/0-12"	±0.06mm	490	12	2	150	36	24	4	7315-22 need receiver page 4, 7302-22 page 12
1187-500A	0-500mm/0-20"	±0.07mm	690	12	2	150	36	24	5.5	7315-22 need receiver page 4, 7302-22 page 12

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	L	a	b	c	d	e	f
1187-150AWL	0-150mm/0-6"	±0.04mm	250mm	5mm	1mm	40mm	15mm	16mm	4mm
1187-200AWL	0-200mm/0-8"	±0.05mm	310mm	9mm	1.5mm	80mm	23mm	16mm	4mm
1187-300AWL	0-300mm/0-12"	±0.06mm	490mm	12mm	2mm	150mm	36mm	24mm	4mm
1187-500AWL	0-500mm/0-20"	±0.07mm	690mm	12mm	2mm	150mm	36mm	24mm	5.5mm

## DIGITAL OUTSIDE POINT CALIPERS

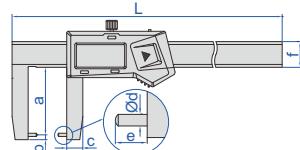
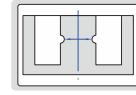
**DATA  
OUTPUT**

- Non waterproof
- Measure wall thickness inside bores and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: depth stop (code 6143)



1185-150A

depth stop 6143  
(optional)



With data interface

(mm)

Code	Range	Accuracy	L	a	b	c	Ød	e	f	Data output cable (optional)
1185-150A	0-150mm/0-6"	±0.04mm	250	40	3	10	2	5	16	7315-21 need receiver page 4, 7302-21 page 12
1185-200A	0-200mm/0-8"	±0.05mm	310	80	3	14	3	9	16	7315-21 need receiver page 4, 7302-21 page 12
1185-300A	0-300mm/0-12"	±0.06mm	490	150	3	20	3	12	24	7315-22 need receiver page 4, 7302-22 page 12

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

(mm)

Code	Range	Accuracy	L	a	b	c	Ød	e	f
1185-150AWL	0-150mm/0-6"	±0.04mm	250	40	3	10	2	5	16
1185-200AWL	0-200mm/0-8"	±0.05mm	310	80	3	14	3	9	16
1185-300AWL	0-300mm/0-12"	±0.06mm	490	150	3	20	3	12	24

**DATA  
OUTPUT**

- Non waterproof
- Measure grooves and recesses in small spaces
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

## DIGITAL OUTSIDE GROOVE CALIPERS



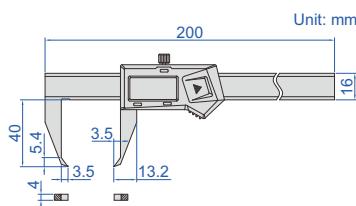
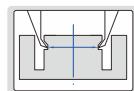
1535-100

With data interface (data output cable code 7315-21  
need receiver page 4, 7302-21 page 12, optional)

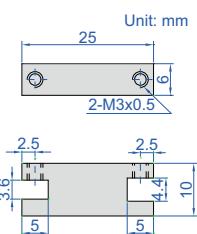
Code	Range	Accuracy
1535-100	0-100mm/0-4"	±0.03mm

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

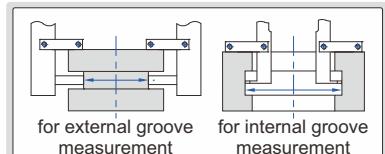
Code	Range	Accuracy
1535-100WL	0-100mm/0-4"	±0.03mm



6143



application



- Supplied in pair
- Made of stainless steel
- Suitable for caliper series 1124, 1526, 1530, 1199, 1520, 1176, 1178, 1120, 1121, 1187, 1129, 1185 and 1376

Code
6143

## DIGITAL SMALL POINT CALIPERS

**DATA  
OUTPUT**

- Non waterproof
- Small pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



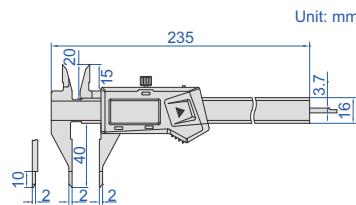
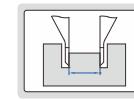
1169-150

With data interface (data output cable code 7315-21  
need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1169-150	0-150mm/0-6"	±0.03mm

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1169-150WL	0-150mm/0-6"	±0.03mm



## DIGITAL POINT CALIPERS

DATA  
OUTPUT

2

- Non waterproof
- Pointed jaws fit into small grooves and recesses
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



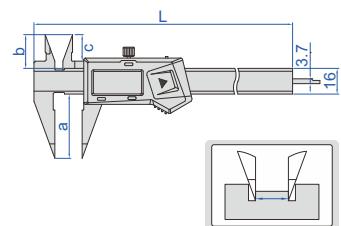
1183-150A

## With data interface

(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy	L	a	b	c
1183-150A	0-150mm/0-6"	±0.03mm	236mm	40mm	21mm	16.5mm
1183-200A	0-200mm/0-8"	±0.03mm	286mm	50mm	24mm	19.5mm
1183-300A	0-300mm/0-12"	±0.03mm	400mm	60mm	25mm	21.5mm

Unit: mm



## Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

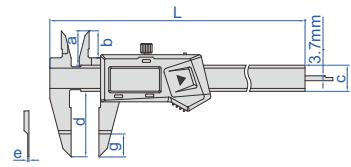
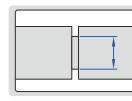
Code	Range	Accuracy	L	a	b	c
1183-150AWL	0-150mm/0-6"	±0.03mm	236mm	40mm	21mm	16.5mm
1183-200AWL	0-200mm/0-8"	±0.03mm	286mm	50mm	24mm	19.5mm
1183-300AWL	0-300mm/0-12"	±0.03mm	400mm	60mm	25mm	21.5mm

## DIGITAL BLADE CALIPERS

DATA  
OUTPUT

1188-150A

- Non waterproof
- The blade jaws fit into small grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



## With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy	L	a	b	c	d	e	g
1188-150A	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm	0.85mm	17mm
1188-200A	0-200mm/0-8"	±0.03mm	297mm	24mm	20mm	16mm	50mm	0.85mm	17mm
1188-300A	0-300mm/0-12"	±0.04mm	390mm	26mm	21.5mm	16mm	60mm	1.00mm	17mm

## Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	L	a	b	c	d	e	g
1188-150AWL	0-150mm/0-6"	±0.03mm	235mm	21mm	16.5mm	16mm	40mm	0.85mm	17mm
1188-200AWL	0-200mm/0-8"	±0.03mm	297mm	24mm	20mm	16mm	50mm	0.85mm	17mm
1188-300AWL	0-300mm/0-12"	±0.04mm	390mm	26mm	21.5mm	16mm	60mm	1.00mm	17mm

## DIGITAL CALIPERS WITH POSITIONING SURFACES

- Non waterproof
- Lower jaws with positioning surfaces, for measuring inside diameters quickly
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1534-200	0-200mm/0-8"	±0.03mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

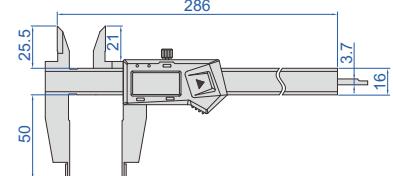
Code	Range	Accuracy
1534-200WL	0-200mm/0-8"	±0.03mm



1534-200



Unit: mm

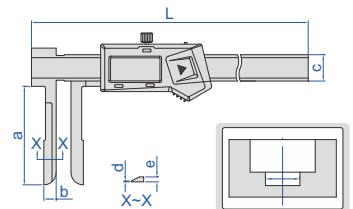


### DATA OUTPUT

- Non waterproof
- Measure diameter of deep step holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1123-150A



With data interface

(mm)

Code	Range	Accuracy	L	a	b	c	d	e	Data output cable (optional)
1123-150A	15-150mm/0.6-6"	±0.05mm	250	60	12	16	0.3	3.5	7315-21 need receiver page 4, 7302-21 page 12
1123-200A	20-200mm/0.8-8"	±0.06mm	305	100	17	16	0.3	3.5	7315-21 need receiver page 4, 7302-21 page 12
1123-300A	24-300mm/0.9-12"	±0.06mm	500	150	22	24	0.5	3.5	7315-22 need receiver page 4, 7302-22 page 12

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required) (mm)

Code	Range	Accuracy	L	a	b	c	d	e
1123-150AWL	15-150mm/0.6-6"	±0.05mm	250	60	12	16	0.3	3.5
1123-200AWL	20-200mm/0.8-8"	±0.06mm	305	100	17	16	0.3	3.5

- Non waterproof
- Measure diameter of narrow grooves
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

## DIGITAL CALIPERS WITH KNIFE-EDGE LOWER JAWS

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1532-200	0-200mm/0-8"	±0.03mm

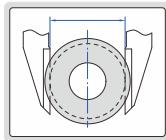
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1532-200WL	0-200mm/0-8"	±0.03mm

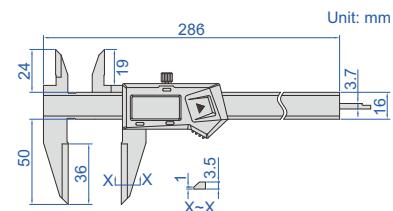


1532-200

### DATA OUTPUT



Unit: mm



## DIGITAL CALIPERS WITH LONG UPPER JAWS

DATA  
OUTPUT

2

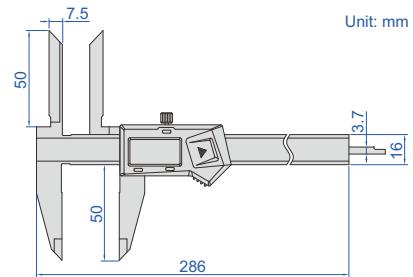
- Non waterproof
- Long upper jaws for measuring diameter of deep holes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1138-200

With data interface (data output cable  
code 7315-21 need receiver page 4,  
7302-21 page 12, optional)

Code	Range	Accuracy
1138-200	0-200mm/0-8"	±0.04mm



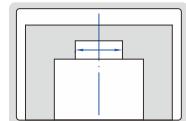
Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1138-200WL	0-200mm/0-8"	±0.04mm

## DIAL CALIPERS WITH LONG UPPER JAWS

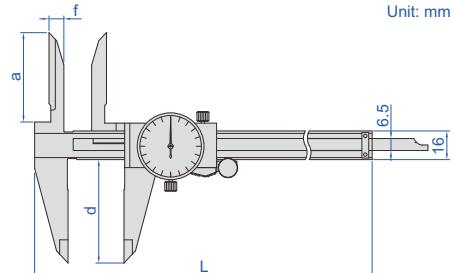
SHOCK  
PROOF

1338-300



- Long upper jaws for measuring diameter of deep holes
- Shockproof dial indicator
- Dial indicator graduation: 0.02mm
- Made of stainless steel

Code	Range	Accuracy	L	a	d	f	(mm)
1338-150	0-150mm	±0.03mm	236	40	40	6.5	
1338-200	0-200mm	±0.03mm	288	45	50	7.5	
1338-300	0-300mm	±0.04mm	400	50	60	8	



**DATA  
OUTPUT**

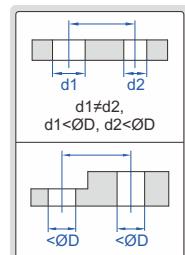
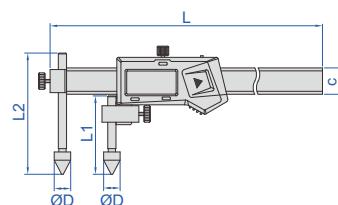
## DIGITAL OFFSET CENTERLINE CALIPERS

**2**



1192-150A

preset buttons



- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

### With data interface

(mm)

Code	Range	Accuracy	c	ØD	L1	L2	L	Data output cable (optional)
1192-150A	10-150mm/0.4-6"	±0.05mm	16	10	46	79	236	7315-21 need receiver page 4, 7302-21 page 12
1192-200A	10-200mm/0.4-8"	±0.07mm	16	10	46	79	286	7315-21 need receiver page 4, 7302-21 page 12
1192-300A	10-300mm/0.4-12"	±0.09mm	16	10	46	79	396	7315-21 need receiver page 4, 7302-21 page 12
1192-500A	20-500mm/0.8-20"	±0.09mm	24	20	52	112	725	7315-22 need receiver page 4, 7302-22 page 12
1192-1000A	30-1000mm/1.2-40"	±0.12mm	31	30	75	120	1255	7315-22 need receiver page 4, 7302-22 page 12
1192-1500A	30-1500mm/1.2-60"	±0.15mm	31	30	75	120	1760	7315-22 need receiver page 4, 7302-22 page 12

### Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

(mm)

Code	Range	Accuracy	c	ØD	L1	L2	L
1192-150AWL	10-150mm/0.4-6"	±0.05mm	16	10	46	79	236
1192-200AWL	10-200mm/0.4-8"	±0.07mm	16	10	46	79	286
1192-300AWL	10-300mm/0.4-12"	±0.09mm	16	10	46	79	396
1192-500AWL	20-500mm/0.8-20"	±0.09mm	24	20	52	112	725

## DIGITAL BACK-JAW CENTERLINE CALIPERS

DATA  
OUTPUT

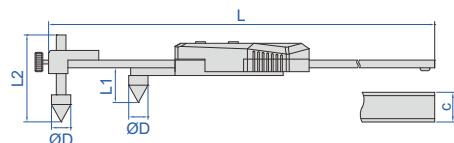
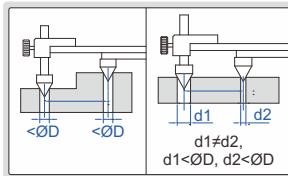
2

preset buttons



1177-200

- Non waterproof
- Measure hole center distance in the same or offset planes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



With data interface

(mm)

Code	Range	Accuracy	ØD	c	L1	L2	L	Data output cable (optional)
1177-200	10-200mm/0.4-8"	±0.10mm	10	16	18	45	310	7315-21 need receiver page 4, 7302-21 page 12
1177-300	10-300mm/0.4-12"	±0.10mm	10	16	18	45	410	7315-21 need receiver page 4, 7302-21 page 12
1177-500	20-500mm/0.8-20"	±0.10mm	20	24	26	70	692	7315-22 need receiver page 4, 7302-22 page 12
1177-1000	30-1000mm/1.2-40"	±0.12mm	30	31	39	70	1242	7315-22 need receiver page 4, 7302-22 page 12
1177-1500	30-1500mm/1.2-60"	±0.15mm	30	31	39	70	1745	7315-22 need receiver page 4, 7302-22 page 12

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required) (mm)

Code	Range	Accuracy	ØD	c	L1	L2	L
1177-200WL	10-200mm/0.4-8"	±0.10mm	10	16	18	45	310
1177-300WL	10-300mm/0.4-12"	±0.10mm	10	16	18	45	410
1177-500WL	20-500mm/0.8-20"	±0.10mm	20	24	26	70	692

## DIGITAL BACK-JAW EDGE TO CENTER CALIPERS

DATA  
OUTPUT

- Non waterproof
- Measure edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1524-200

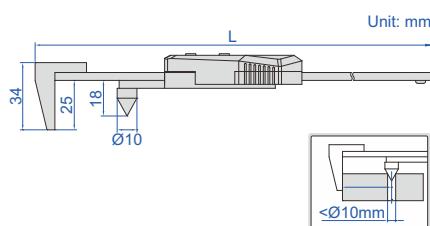
With data interface (data output cable  
code 7315-21 need receiver page 4,  
7302-21 page 12, optional)

Code	Range	Accuracy	L
1524-200	5-200mm/0.2-8"	±0.1mm	310mm
1524-300	5-300mm/0.2-12"	±0.1mm	410mm

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy	L
1524-200WL	5-200mm/0.2-8"	±0.1mm	310mm
1524-300WL	5-300mm/0.2-12"	±0.1mm	410mm

preset buttons



**DATA  
OUTPUT**

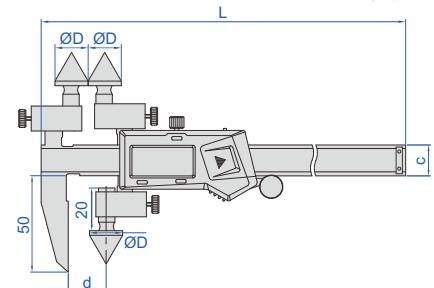
## DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

**2**



1521-2002

Unit: mm



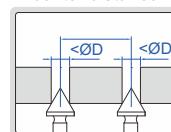
- Non waterproof
- Measure hole center distance in the same or offset planes and edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

### With data interface

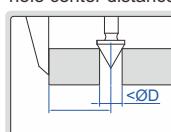
(data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional) (mm)

Code	Range	Accuracy	ØD	d	L	c
1521-150	5-150mm/0.2-6"	±0.05mm	5	5	236	16
1521-1501	10-150mm/0.4-6"	±0.05mm	10	10	236	16
1521-1502	20-150mm/0.8-6"	±0.05mm	20	20	236	16
1521-200	5-200mm/0.2-8"	±0.05mm	5	5	285	16
1521-2001	10-200mm/0.4-8"	±0.05mm	10	10	285	16
1521-2002	20-200mm/0.8-8"	±0.05mm	20	20	285	16
1521-300	5-300mm/0.2-12"	±0.07mm	5	5	385	17
1521-3001	10-300mm/0.4-12"	±0.07mm	10	10	385	17
1521-3002	20-300mm/0.8-12"	±0.07mm	20	20	385	17

measure hole center distance



measure edge to hole center distance



### Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

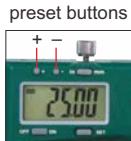
(mm)

Code	Range	Accuracy	ØD	d	L	c
1521-150WL	5-150mm/0.2-6"	±0.05mm	5	5	236	16
1521-1501WL	10-150mm/0.4-6"	±0.05mm	10	10	236	16
1521-1502WL	20-150mm/0.8-6"	±0.05mm	20	20	236	16
1521-200WL	5-200mm/0.2-8"	±0.05mm	5	5	285	16
1521-2001WL	10-200mm/0.4-8"	±0.05mm	10	10	285	16
1521-2002WL	20-200mm/0.8-8"	±0.05mm	20	20	285	16
1521-300WL	5-300mm/0.2-12"	±0.07mm	5	5	385	17
1521-3001WL	10-300mm/0.4-12"	±0.07mm	10	10	385	17
1521-3002WL	20-300mm/0.8-12"	±0.07mm	20	20	385	17

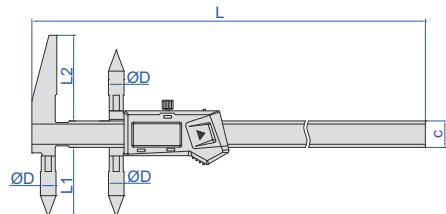
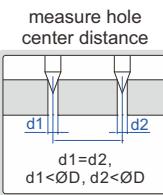
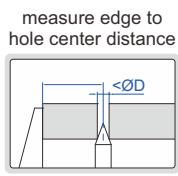
## DIGITAL CENTERLINE AND EDGE TO CENTER CALIPERS

DATA  
OUTPUT

2



- Non waterproof
- Measure hole center distance or edge to hole center distance
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



## With data interface

(mm)

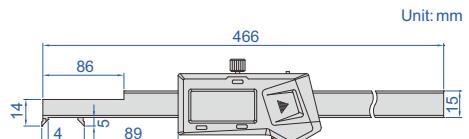
Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	ØD	L1	L2	c	L	Data output cable (optional)
1525-300	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	10	44.5	55	17	410	7315-21 need receiver page 4, 7302-21 page 12
1525-3001	10-300mm/0.4-12"	20-300mm/0.8-12"	±0.08mm	20	48	60	17	410	
1525-500	10-500mm/0.4-20"	20-500mm/0.8-20"	±0.09mm	20	50	60	24	690	
1525-1000	15-1000mm/0.6-40"	30-1000mm/1.2-40"	±0.12mm	30	70	81	31	1255	7315-22 need receiver page 4, 7302-22 page 12
1525-1500	15-1500mm/0.6-60"	30-1500mm/1.2-60"	±0.15mm	30	70	81	31	1760	

## Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

(mm)

Code	Range of upper jaw (edge to center)	Range of lower jaw (center to center)	Accuracy	ØD	L1	L2	c	L
1525-300WL	5-300mm/0.2-12"	10-300mm/0.4-12"	±0.08mm	10	44.5	55	17	410
1525-3001WL	10-300mm/0.4-12"	20-300mm/0.8-12"	±0.08mm	20	48	60	17	410
1525-500WL	10-500mm/0.4-20"	20-500mm/0.8-20"	±0.09mm	20	50	60	24	690

## DIGITAL HOOK CALIPERS

DATA  
OUTPUT

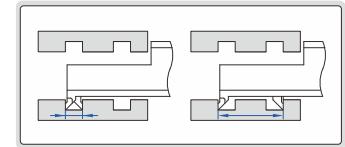
- Non waterproof
- Measure width and distance of grooves inside bores
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable  
code 7315-21 need receiver page 4,  
7302-21 page 12, optional)

Code	Range	Accuracy
1122-300	4-300mm/0.16-12"	±0.04mm

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1122-300WL	4-300mm/0.16-12"	±0.04mm



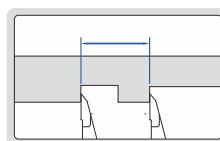
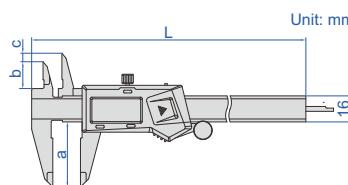
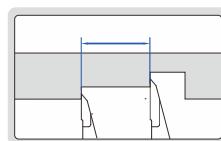
**DATA  
OUTPUT**
**DIGITAL CALIPERS WITH ONE DIRECTION UPPER JAWS**


1184-200



1184-150A

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Buttons: zero, power on/off, inch/mm
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-21 need receiver page 4, 7302-21 page 12)

jaws with same height  
used for measuring the  
distance in same leveljaws with different height  
used for measuring the  
distance in different level
**Jaws with same height**

Code	Range	Accuracy	L	a	b	c	(mm)
1184-150	0-150mm/0-6"	±0.03mm	236	40	17	0	
1184-200	0-200mm/0-8"	±0.03mm	286	50	20	0	
1184-300	0-300mm/0-12"	±0.03mm	400	60	22	0	

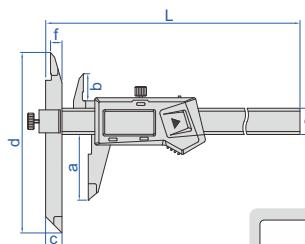
**Jaws with different height**

Code	Range	Accuracy	L	a	b	c	(mm)
1184-150A	0-150mm/0-6"	±0.03mm	236	40	17	5	
1184-200A	0-200mm/0-8"	±0.03mm	286	50	20	8	
1184-300A	0-300mm/0-12"	±0.03mm	400	60	22	10	

**DATA  
OUTPUT**
**DIGITAL OFFSET CALIPERS**


1186-150A

- Non waterproof
- The left jaw can slide up and down to facilitate measurement of stepped sections
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel


**With data interface (data output cable**

code 7315-21 need receiver page 4, 7302-21 page 12, optional)

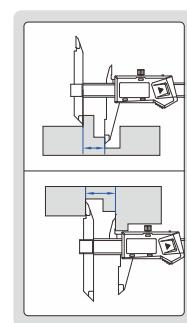
(mm)

Code	Range	Accuracy	L	a	b	c	d	e	f	(mm)
1186-150A	0-150mm/0-6"	±0.04mm	249	40	16.5	10	110	17	7	
1186-200A	0-200mm/0-8"	±0.04mm	299	50	19.5	10	120	17	7	
1186-300A	0-300mm/0-12"	±0.05mm	399	60	20.5	10	130	17	7	

**Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)**

(mm)

Code	Range	Accuracy	L	a	b	c	d	e	f	(mm)
1186-150AWL	0-150mm/0-6"	±0.04mm	249	40	16.5	10	110	17	7	
1186-200AWL	0-200mm/0-8"	±0.04mm	299	50	19.5	10	120	17	7	
1186-300AWL	0-300mm/0-12"	±0.05mm	399	60	20.5	10	130	17	7	



## DIGITAL TUBE THICKNESS CALIPERS

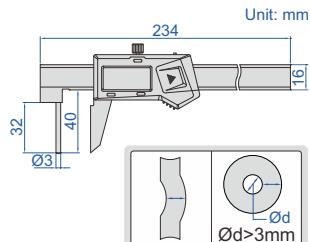
DATA  
OUTPUT

2

- Non waterproof
- Measure wall thickness of tubes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1161-150A



With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1161-150A	0-150mm/0-6"	±0.05mm

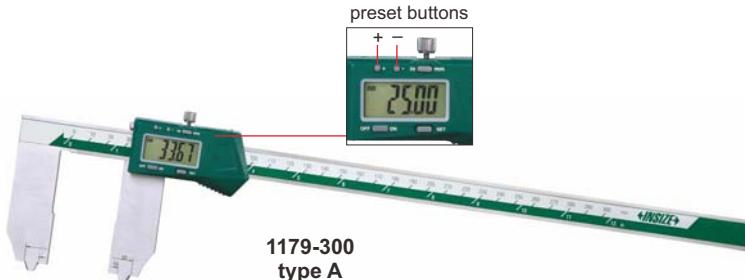
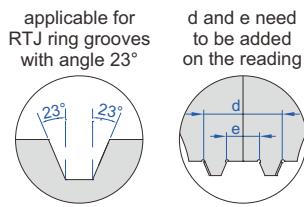
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1161-150AWL	0-150mm/0-6"	±0.05mm

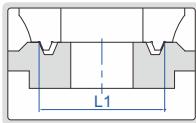
## DIGITAL RTJ RING GROOVE CALIPERS

DATA  
OUTPUT

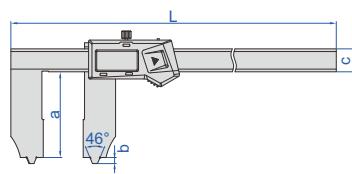
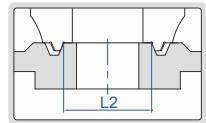
- Non waterproof
- Angle of RTJ ring groove: 23°
- Measure ring grooves of flange
- Resolution: 0.01mm/0.0005"
- Button function: on/off, set, zero, mm/inch, data preset
- Battery CR2032
- Made of stainless steel

1179-300  
type A1179-600  
type B

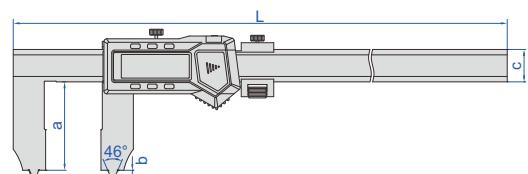
measure outside diameter of RTJ ring groove



measure inside diameter of RTJ ring groove



type A



type B

With data interface

(mm)

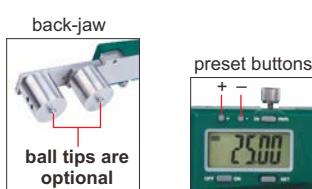
Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Accuracy	Type	L	a	b	c	d	e	Data output cable (optional)
1179-300	10-300mm/0.4-12"	25-300mm/1-12"	±0.06mm	A	410	63.5	4.5	17	25	10	7315-21 need receiver page 4, 7302-21 page 12
1179-600	10-600mm/0.4-24"	25-600mm/1-24"	±0.07mm	B	770	65.5	4.5	24	25	10	7315-22 need receiver page 4, 7302-22 page 12
1179-1000	15-1000mm/0.6-40"	30-1000mm/1.2-40"	±0.09mm	B	1220	90	5	31	30	15	

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

(mm)

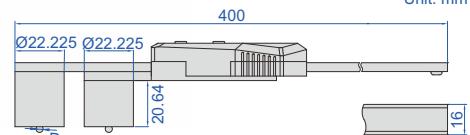
Code	Range (inside diameter of RTJ ring groove)	Range (outside diameter of RTJ ring groove)	Accuracy	Type	L	a	b	c	d	e
1179-300WL	10-300mm/0.4-12"	25-300mm/1-12"	±0.06mm	A	410	63.5	4.5	17	25	10
1179-600WL	10-600mm/0.4-24"	25-600mm/1-24"	±0.07mm	B	770	65.5	4.5	24	25	10

## DIGITAL CALIPERS WITH INTERCHANGEABLE BALL TIPS



DATA  
OUTPUT

Unit: mm



- Non waterproof
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: ball tips

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1527-3001	(22.22+D)~300mm*	±0.03mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1527-3001WL	(22.22+D)~300mm*	±0.03mm

\* "D" is the diameter of ball tips.

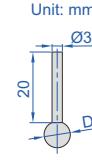
Ball tips (optional, supplied in pair)



1527-T101



1527-T104

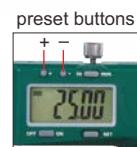
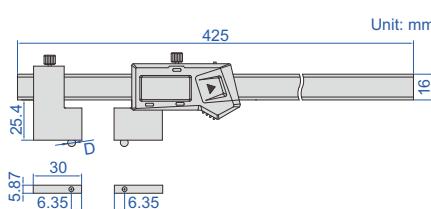


1527-T106

Code	Diameter (D)	Accuracy of diameter	Type	Material
1527-T101	1/16" (Ø1.5875mm)	±0.005mm	A	ruby
1527-T102	1/8" (Ø3.175mm)	±0.005mm	B	stainless steel
1527-T103	3/16" (Ø4.7625mm)	±0.005mm	B	stainless steel
1527-T104	1/4" (Ø6.35mm)	±0.005mm	B	stainless steel
1527-T105	3/8" (Ø9.525mm)	±0.005mm	B	stainless steel
1527-T106	1/2" (Ø12.7mm)	±0.005mm	B	stainless steel

DATA  
OUTPUT

## DIGITAL CALIPERS WITH INTERCHANGEABLE BALL TIPS



- Non waterproof
- Resolution 0.01mm/0.0005"
- Buttons: on/off, set, mm/inch, preset (+, -)
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel
- Optional accessory: ball tips

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1528-3001	(12.7+D)~300mm*	±0.03mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1528-3001WL	(12.7+D)~300mm*	±0.03mm

\* "D" is the diameter of ball tips.

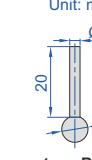
Ball tips (optional, supplied in pair)



1527-T101



1527-T104



1527-T106

Code	Diameter (D)	Accuracy of diameter	Type	Material
1527-T101	1/16" (Ø1.5875mm)	±0.005mm	A	ruby
1527-T102	1/8" (Ø3.175mm)	±0.005mm	B	stainless steel
1527-T103	3/16" (Ø4.7625mm)	±0.005mm	B	stainless steel
1527-T104	1/4" (Ø6.35mm)	±0.005mm	B	stainless steel
1527-T105	3/8" (Ø9.525mm)	±0.005mm	B	stainless steel
1527-T106	1/2" (Ø12.7mm)	±0.005mm	B	stainless steel

## DIGITAL CRIMP HEIGHT CALIPERS

RELATIVE PRODUCT: CRIMP HEIGHT MICROMETER (CODE 3266-25BA, 3566-25BA)

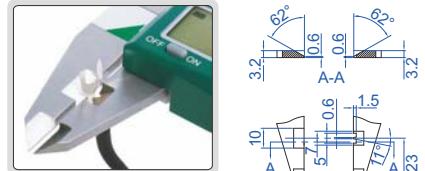
DATA OUTPUT

2

- Non waterproof
- Measure crimp height
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032, meet DIN862
- Made of stainless steel



1165-150A

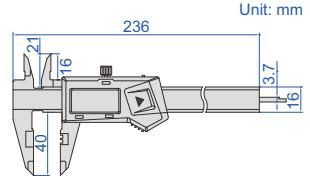


With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1165-150A	0-150mm/0-6"	±0.03mm

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1165-150AWL	0-150mm/0-6"	±0.03mm



## DIGITAL CALIPERS WITH LARGE MEASURING FACES

DATA OUTPUT

- Non waterproof
- Measure diameter of wire ropes, and thickness of soft materials like rubber, sponge, etc.
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



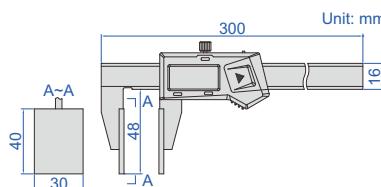
1172-200

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1172-200	0-200mm/0-8"	±0.07mm

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1172-200WL	0-200mm/0-8"	±0.07mm



measure diameter of wire ropes

measure thickness of rubber, sponge, etc.

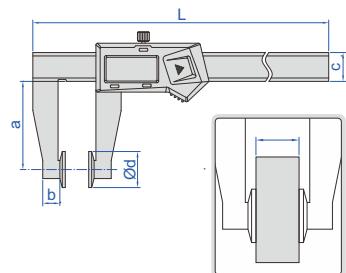
## DIGITAL CALIPERS WITH DISK FACES

DATA OUTPUT

- Non waterproof
- Measure thickness of soft sheets
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



1533-150



With data interface

(mm)

Code	Range	Accuracy	L	a	b	c	Ød	Data output cable (optional)
1533-150	0-150mm/0-6"	±0.04mm	245	50	11	16	20	7315-21 need receiver page 4, 7302-21 page 12
1533-200	0-200mm/0-8"	±0.05mm	310	80	11	16	30	7315-21 need receiver page 4, 7302-21 page 12
1533-500	0-500mm/0-20"	±0.07mm	680	150	12.5	24	50	7315-22 need receiver page 4, 7302-22 page 12

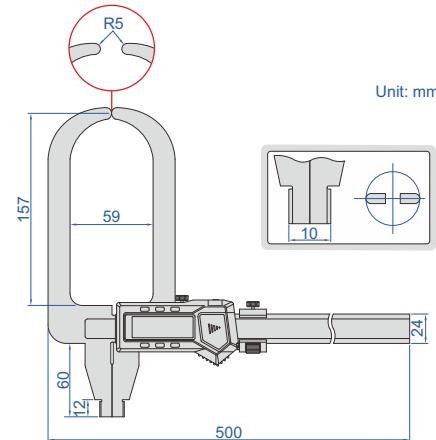
Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required) (mm)

Code	Range	Accuracy	L	a	b	c	Ød
1533-150WL	0-150mm/0-6"	±0.04mm	245	50	11	16	20
1533-200WL	0-200mm/0-8"	±0.05mm	310	80	11	16	30
1533-500WL	0-500mm/0-20"	±0.07mm	680	150	12.5	24	50

**DATA  
OUTPUT**



## DIGITAL WALL THICKNESS CALIPERS



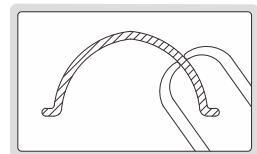
With data interface (data output cable code 7315-22 need receiver page 4, 7302-22 page 12, optional)

Code	Range	Accuracy
1536-300	0-300mm/0-12"	±0.05mm

Built-in wireless (receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1536-300WL	0-300mm/0-12"	±0.05mm

- Non waterproof
- Measure wall thickness of helmets, domes and curved pots
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch, ABS, data preset
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel



**DIRECT READING,  
CALCULATION IS NOT REQUIRED**

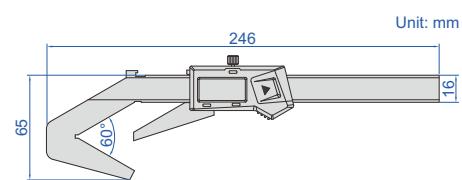
**DATA  
OUTPUT**

## DIGITAL V SHAPE CALIPER



- Non waterproof
- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Battery CR2032
- Automatic power off, move the digital unit to turn on power
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-1529 need receiver, 7302-1529)

Code	Range	Accuracy
1539-3	Ø4-Ø40mm/0.16"-1.58" DIA	±0.03mm

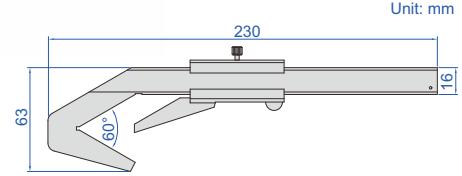


## V SHAPE VERNIER CALIPER



- Measure outside diameter of three number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface

Code	Range	Graduation	Accuracy
1273-403	Ø4-40mm	0.05mm	±0.05mm



## V SHAPE VERNIER CALIPERS

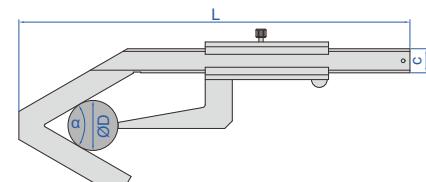
2

- Measure outside diameter of odd number of flutes (such as taps, reamers, end mills and gears)
- Made of stainless steel
- Satin chrome plated reading surface
- Optional accessory: 4mm pin gage (code 4110-4D00), Ø50mm calibration cylinder (code 6316-50)



1229-3

Code	Range ( $\varnothing D$ )	Graduation	Accuracy	Flutes	Angle $\alpha$	L	c
1229-3	$\varnothing 4\text{-}60\text{mm}$	0.02mm	$\pm 0.04\text{mm}$	3	60°	260mm	16mm
1229-35	$\varnothing 50\text{-}200\text{mm}$	0.02mm	$\pm 0.06\text{mm}$	3	60°	516mm	20mm
1229-5	$\varnothing 4\text{-}60\text{mm}$	0.02mm	$\pm 0.04\text{mm}$	5	108°	210mm	16mm
1229-55	$\varnothing 50\text{-}200\text{mm}$	0.02mm	$\pm 0.06\text{mm}$	5	108°	360mm	20mm



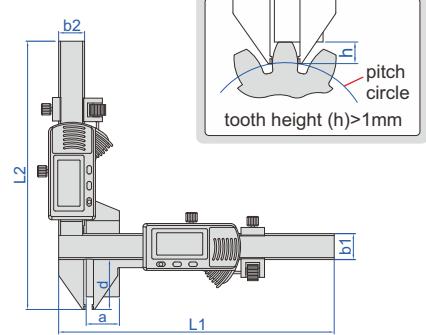
## DIGITAL GEAR TOOTH CALIPERS

ATTENTION:  
NO DATA OUTPUT

- Non waterproof
- Resolution: 0.01mm/0.0005"
- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height>1mm)
- Buttons: zero, on/off, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

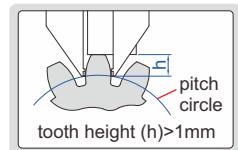


1181-M25A



Code	Range	Accuracy of height measurement	Accuracy of thickness measurement	Total accuracy	L1	L2	a	b1	b2	d
1181-M25A	M1-25mm	$\pm 0.03\text{mm}$	$\pm 0.03\text{mm}$	$\pm 0.04\text{mm}$	170mm	165.5mm	21mm	16mm	16mm	30.5mm
1181-M50A	M5-50mm	$\pm 0.03\text{mm}$	$\pm 0.03\text{mm}$	$\pm 0.04\text{mm}$	220mm	190mm	50.5mm	16mm	16mm	55mm

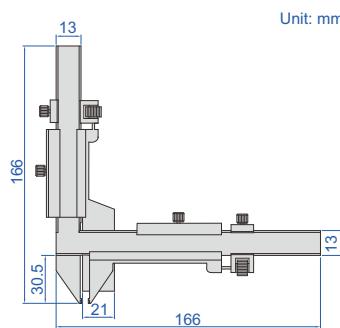
## GEAR TOOTH VERNIER CALIPER



- Carbide tips
- Measure the tooth thickness by positioning the tooth height (for tooth height>1mm)
- Made of stainless steel
- Satin chrome plated reading surface



1281-M26A



Code	Range	Graduation	Accuracy of height measurement	Accuracy of thickness measurement	Total accuracy
1281-M26A	M1-26mm	0.02mm	$\pm 0.03\text{mm}$	$\pm 0.03\text{mm}$	$\pm 0.04\text{mm}$

REFER TO PAGE 212  
FOR DETAILS



## DIGITAL ARC RADIUS CALIPERS

1189-150B

REFER TO PAGE 441  
FOR DETAILS



## DIGITAL SCRIBING CALIPERS

1166-150A

- Non waterproof
- Measure thickness of disk brakes
- Resolution 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1162-125A	0-125mm/0-5"	±0.05mm

Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

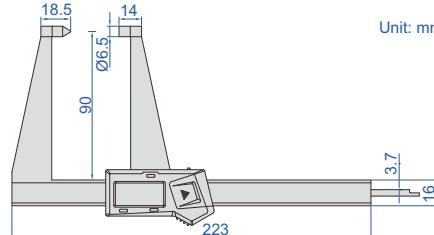
Code	Range	Accuracy
1162-125AWL	0-125mm/0-5"	±0.05mm



RELATIVE PRODUCT: DISK BRAKE MICROMETER (CODE 3288-, 3588-)

DATA OUTPUT

1162-125A



DATA OUTPUT

RELATIVE PRODUCT: DISK BRAKE MICROMETER (CODE 3288-, 3588-)

- Non waterproof
- Measure thickness of disk brakes and pad wear
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)

Code	Range	Accuracy
1167-150A	0-150mm/0-6"	±0.07mm

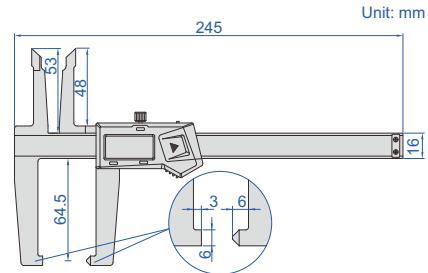
Built-in wireless  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1167-150AWL	0-150mm/0-6"	±0.07mm



## DIGITAL DISK BRAKE AND PAD CALIPERS

1167-150A



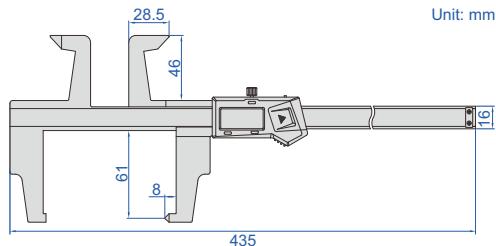
## DIGITAL DRUM BRAKE CALIPERS

RELATIVE PRODUCT: DISK BRAKE MICROMETER (CODE 3288-, 3588-)

2

DATA  
OUTPUT

1168-300A



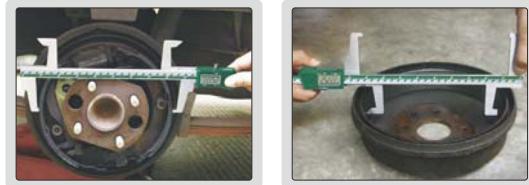
- Non waterproof
- Measure internal and external diameter of drum brakes
- Resolution 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Made of stainless steel

**With data interface (data output cable code 7315-21 need receiver page 4, 7302-21 page 12, optional)**

Code	Range	Accuracy
1168-300A	0-300mm/0-12"	±0.07mm

**Built-in wireless**  
(receiver code 7315-2/3/6/7/8/9 is required)

Code	Range	Accuracy
1168-300AWL	0-300mm/0-12"	±0.07mm



## DIGITAL DRUM BRAKE CALIPER

DATA  
OUTPUT

calibration block (included)



1538-300

- Non waterproof
- Measure internal diameter of drum brakes
- Resolution: 0.01mm/0.0005"
- Buttons: on/off, zero, mm/inch
- Automatic power off, move the digital unit to turn on power
- Battery CR2032
- Data output
- Made of stainless steel
- Optional accessory: data output cable (code 7315-22 need receiver page 4, 7302-22 page 12)

Code	Range	Accuracy
1538-300	30-300mm/1.2-12"	±0.05mm

