



# TEST & MEASURING INSTRUMENTS



[www.kps-usa.com](http://www.kps-usa.com)

## MULTICHECK6010

Redefining Electrical Safety Standards.



- Meticulously crafted for unwavering compliance with IEC/EN 61557 & IEC/EN 61010- Verify insulation resistance, PE conductor continuity, and earth resistance flawlessly
- Comprehensive RCD testing for types A, AC, F, B, and B+
- Unlock TRMS voltage measurements, frequency analysis, and phase evaluation

## EVCHECK2010US

The EVSE adapter that transforms EV charging safety. With universal compatibility and unwavering compliance to IEC/EN 61851-1 and IEC/HD 60364-7-722 standards, this cutting-edge solution seamlessly integrates with the renowned MULTICHECK6010 and other multifunction test instruments.

Capable of performing the following tests with precision:

- Triggering of the CCID protection
- Proximity pilot (PP) status verification
- Control pilot (CP) status assessment
- Measurement of communication signal via Signal output terminals
- Simulation of CP communication and PE protective earth faults
- Accurate Phase Voltage measurements through terminals L1, L2 (N), PE, PP with LED indicator on L1.



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## MULTIFUNCTION TESTER

# MULTICHECK6010

**Multicheck6010:** Redefining Electrical Safety with Ease!

Introducing the **Multicheck6010**, an exquisite multifunctional tester meticulously engineered to streamline the verification of electrical safety in low voltage installations across domestic, commercial, and industrial sectors. With unrivalled precision and effortless compliance to the rigorous standards of BS EN61557 & BS EN 61010, this remarkable device revolutionises the way safety is ensured. Elevate your standards today and embark on a journey of unparalleled assurance and tranquillity.



Code	KPSMF6010CBINT	
Function	Test method	Range
Insulation resistance	Voltage: 50/100/250 V	0.000 MΩ ... 199.9 MΩ
	Voltage: 500/1000 V	0.000 MΩ ... 999 MΩ
Impedance	Zline L–L, L–N, IpSc	0.00 Ω ... 9999 Ω
	Zloop L–PE, Ipfc	0.00 Ω ... 9999 Ω
	Zloop L–PE, Ipfc, non trip	0.00 Ω ... 9999 Ω
Earth resistance	3–wire	0.00 Ω ... 9999 Ω
	4–wire	0.00 Ω ... 9999 Ω
	Specific earth resistance	0.00 Ω ... 9999 Ω
Continuity	Current: 7 mA (2–wire)	0.0 Ω ... 1999 Ω
	Current: 200 mA (2–wire)	0.00 Ω ... 1999 Ω
Voltage (V)	TRMS	0 ... 550 Vac
	Frequency	10.0 Hz ... 499.9 Hz



Phase rotation	TRMS	50 ... 550 Vac (45 Hz ... 400 Hz)
	Types	A, AC, F, B, B+
	Sensitivity	6mA, 10mA, 30mA, 100mA, 300mA, 500mA, 650mA, 1000mA
	Uc	0.0 V ... 99.9 V
	t	0.0 ms ... 500.0 ms
	I	0.2xIN ... 1.1xIN (AC)
		0.2xIN ... 1.1xIN (A)
		(IN ≥30 mA)
		0.2xIN ... 2.2xIN (A)
		(IN <30 mA)
		0.2xIN ... 2.2xIN (B)

## MULTICHECK6010 ACCESORIES



**EVCHECK2010US**



**MULTICHECK/PLT-US**



**MULTICHECK/ERS**

Code	KPSEVCHECK2010USCBINT	KPSMFPROBUSBINT	KPSMFEARHCBINT
Description	EVSE tester	Plug test probe	Earth resistance testing set (4 cables 65/65/16/16 ft and 4 earth stakes)

## EVSE ADAPTER

# EVCHECK2010US

EVCHECK2010US: Empowering EV Charging Safety!

The **EVCHECK2010US** is a revolutionary EVSE adapter that enables comprehensive electrical testing on EV charging points. With universal compatibility and adherence to IEC/EN 61851-1 and IEC/HD 60364-7-722 standards, it seamlessly integrates with single or multifunction test instruments like the MULTICHECK6010US. Safeguard your installations with thorough initial and periodic tests. Elevate your EV charging safety with the EVCHECK2010US and embrace a future of secure and reliable charging experiences.



### MAIN FEATURES:

- PE Pre-Test
- CCID Trip Test & CP Charging States A,B,C,D
- CP error / PE error / Earth Fault
- LED indication of phases
- Type 1 male connector for EVSE connection
- Oscilloscope output
- Single or Three-Phase Compatibility

Code	KPSEVCHECK2010USCBINT
<b>GENERAL</b>	
CP signal output terminals	2 pcs 4mm sockets
Fixed connector	SAE J1772 (Type 1)
Test cable length	9.84"
IP	IP40
Standards	IEC EN61010-1, IEC EN61851-1
Safety rating	CAT II 300V
Contents	User manual and case
<b>SPECS</b>	
Input Voltage	Max. 130V(single phase) 50/60Hz
Mains socket rating	130V/10A
Mains socket protection	Fuse T10A/250A
CCID Trip Simulation	Yes (>25mA / 130V)
CP simulation	CP error "E", PE (earth fault) error
PE Pre-test	Yes



## POWER QUALITY ANALYZER

# POWERCOMPACT3020

The **POWERCOMPACT3020** is a robust and portable power quality analyzer designed specifically for professional analysis of energy consumption and power quality in complex electrical networks. It can be used for both single-phase and three-phase (balanced or unbalanced) electrical installations. With its advanced features and accompanying analysis software, this device proves to be a valuable tool that meets the demanding needs of professionals in the field.



Code	KPSPQA3020CBINT
Voltage (TRMS)	$\emptyset$ phase-phase: 7–1000VAC 40–70Hz Phase-neutral: 5–600VAC 40–70Hz Aux: 5–1000VAC 40–70Hz, 10–1400VDC
Current (TRMS)	Range: 6–3000A Ratio: 1–60000
Events	Interruptions: >500mS Dips: >500mS Swells: >500mS

Power	Single Phase and Total Power: Values < 999 GW, Gvar, GVA
Harmonics	Up to 50th order
Transients	Swells and overcurrents > 150uS Inrush current analysis

## POWER QUALITY ANALYZER ACCESSORIES



**POWERCOMPACTCL5A**



**POWERCOMPACTCL200A**



**POWERCOMPACTCL1000A**



**POWERCOMPACTCL600A**



**ULTRAFLEX3000**

Code	KPSPQA5ACBINT	KPSPQA200ACBINT	KPSPQA1000ACBINT	KPSPQA600ACBINT	KPSFLEX3000ACBINT
Current measurement range	0.01 – 5A AC	0.5 – 200A AC	0.1 – 1000A AC	0.2 – 400A AC 0.4 – 600A DC	6 – 3000A AC
Jaw capability	Max. cable Ø0.78" 1 busbar 0.78x0.19"	Max. cable Ø0.78" 1 busbar 0.78x0.19"	Max. cable 2.04" 1 busbar 1.96x0.19" 4 busbars 1.18x0.19"	1 cable Ø1.18" 2 cables Ø0.94" 2 busbars 1.24x0.39"	1 cable Ø5.9"

## POWER QUALITY ANALYZER ACCESSORIES

**POWERCOMPACT/VTL-R****POWERCOMPACT/VTL-B****POWERCOMPACT/VTL-Y****POWERCOMPACT/VTL-BL**

Code	KPSPQAVREDPEINT	KPSPQAVBLACKPEINT	KPSPQAVYELLPEINT	KPSPQAVBLUEPEINT
Length	4.9 ft	4.9 ft	4.9 ft	4.9 ft
Color	Red	Black	Yellow	Blue
Max. current	10A	10A	10A	10A
Safety rating according to EN61010	CAT III 1000V	CAT III 1000V	CAT III 1000V	CAT III 1000V

**POWERCOMPACT/AL-R****POWERCOMPACT/AL-B****POWERCOMPACT/AL-Y****POWERCOMPACT/AL-BL**

Code	KPSPQAAREDPEINT	KPSPQAABBLACKPEINT	KPSPQAAYELLPEINT	KPSPQAABBLUEPEINT
Opening	1.77"	1.77"	1.77"	1.77"
Color	Red	Black	Yellow	Blue
Max. current	10A	10A	10A	10A
Safety rating according to EN61010	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V

**POWERCOMPACT/MAGTL****POWERCOMPACT/BAT****POWERCOMPACT/PS**

Code	KPSPQAMAGPEINT	KPSPQABATPEINT	KPSPQAPOWCBINT
Description	4 magnetic captors set	Replacement battery	External power supply with adapters

## CIRCUIT TESTERS


**KPS-CC600**

**KPS-CC620**

**KPS-CC640**

**KPS-CC840**

**KPS-CC810US**

**KPS-CC820US**

Code	KPSCC600CBINT	KPSCC620CBINT	KPSCC640CBINT	KPSCC840CBINT	KPSCC810USCBINT	KPSCC820USCBINT
RJ45	√	√	–	–	–	–
BNC	√	–	–	–	–	–
Outlet Wiring Check	–	–	–	–	√	√
Wire Tracking	–	–	√	√	–	–
Metallic Conduit Tracking	–	–	–	√	–	–
Identification of wiring failures	–	√	–	–	√	√
Break points identification	–	–	√	√	–	–
Telephone lines checking	–	–	√	–	–	–
Tone generator	–	–	√	–	–	–
Breaker finder	–	–	–	√	–	√
Checking of wiring integrity	√	√	–	–	–	–
Max Cable Length	656 ft	656 ft	–	–	–	–
Capability to check live circuits	–	–	–	√	√	√
Adjustable sensitivity	–	–	–	√	–	–
Auto range	–	–	–	√	–	–
Auto Power–Off	–	–	–	√	–	–
Backlight	–	–	–	√	–	–
Low Battery Indicator	–	√	–	–	–	√
Safety rating according to EN61010	–	–	–	CAT III 300V	CAT II 230V	CAT II 600V



## EARTH RESISTANCE TESTERS

**KPS-TL300****KPS-TLP100**

Code	KPSTL300CBINT	KPSTLP100CBINT
Voltage, up to	200V AC	—
Earth resistance, up to	4k $\Omega$	1.2k $\Omega$
Current, up to	—	20A
2 Poles Method	√	—
3 Poles Method	√	—
Clamp-on method	—	√
Data Hold	√	√
Relative measurements	√	—
MAX/MIN/AVG	√	—
Zero Adjustment	—	—
Auto range	√	√
Jaw capability	—	1.8 x 1"
Auto Power—Off	√	√
Backlight	√	—
Low Battery Indicator	√	√
Datalogging	√	√
Safety rating according to EN61010	CAT III 300V	CAT III 150V

## INSULATION TESTERS


**KPS-MA100**

  
 Calibration  
certificate  
included

**KPS-MA500**

  
 Calibration  
certificate  
included

**INSUTEST10000**

Code	KPSMA100CBINT	KPSMA500CBINT	KPSINSUTEST10000CBINT
Voltage Test (V DC)	50V, 100V, 250V, 500V, 1000V	250V, 500V, 1000V, 2500V, 5000V	1000V, 2500V, 5000V, 10000V
Voltage test:50V DC, 100V DC	✓	–	–
Voltage test:250V DC, 500V DC	✓	✓	–
Voltage test:1000V DC	✓	✓	✓
Voltage test: 2500V DC, 5000V DC	–	✓	✓
Voltage test: 10000V DC	–	–	✓
Configurable Intermedium voltages test	–	✓	–
Stepped voltages test	–	✓	–
Insulation resistance, up to	10GΩ	5TΩ	20TΩ
DAR/PI	✓	✓	✓
Insulation test timer	✓	✓	✓
Temperature compensation	–	✓	–
Auto discharge	–	✓	✓
Direct voltage, up to	1000V	1000V	600V
Altern voltage, up to	750V	750V	600V
Leakage current measurement, up to	–	3mA	–
Resistance, up to	200Ω	–	–
Continuity Test	✓	–	–
Temperature, up to	–	158°F	–
Relative measurements	✓	–	–
MAX/MIN	✓	–	–
Auto range	✓	✓	✓
Auto Power–Off	✓	✓	✓
Backlight	✓	✓	–
Low Battery Indicator	✓	✓	✓
Datalogging	✓	✓	✓
PC communication	–	USB	USB
Safety rating according to EN61010	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT IV 600V

## COMPACT MULTIMETERS

**KPS-MT460****KPS-MT10****KPS-MT70****KPS-MT30****KPS-MT420****KPS-MT425**

Code	KPSMT460CBINT	KPSMT10CBINT	KPSMT70CBINT	KPSMT30CBINT	KPSMT420CBINT	KPSMT425CBINT
Altern voltage, up to	600V	600V	600V	600V	600V	750V
Direct voltage, up to	600V	600V	600V	600V	600V	1000V
Altern current, up to	200mA	400mA	600mA	–	10A	20A
Direct current, up to	200mA	400mA	600mA	10A	10A	20A
Counts	2000	4000	6000	2000	2000	2000
Resistance, up to	20MΩ	40MΩ	60MΩ	2MΩ	20MΩ	20MΩ
Frequency, up to	–	100kHz	10kHz	–	–	–
Temperature, up to	–	–	–	–	1832°F	1832°F
Capacitance, up to	–	100μF	600μF	–	–	–
Continuity test	✓	✓	✓	✓	✓	✓
Diode test	✓	✓	✓	✓	✓	✓
Battery test	–	–	✓	–	✓	✓
Non–contact voltage detection	✓	–	✓	–	–	–
True RMS measurement	–	–	✓	–	–	–
Data Hold	✓	✓	✓	✓	✓	✓
MAX/MIN	MAX	–	–	–	–	–
Auto range	✓	✓	✓	–	–	–
Auto Power–Off	✓	✓	✓	–	✓	✓
Backlight	–	–	✓	–	–	–
Low battery display	✓	✓	✓	✓	✓	✓
Safety rating according to EN61010	CAT III 600V	CAT II 600V CAT III 300V	CAT III 600V	CAT III 600V	CAT III 600V	CAT II 1000V CAT III 600V

## ADVANCED MULTIMETERS


**KPS-MT440**

**KPS-M470**

**KPS-MT480**

**KPS-MT490**

**KPS-MT700**

**KPS-MT720**

Code	KPSMT440CBINT	KPSMT470CBINT	KPSMT480CBINT	KPSMT490CBINT	KPSMT700CBINT	KPSMT720CBINT
Altern voltage, up to	600V	600V	600V	600V	1000V	1000V
Direct voltage, up to	600V	600V	600V	600V	1000V	1000V
Altern current, up to	10A	10A	10A	10A	10A	10A
Direct current, up to	10A	10A	10A	10A	10A	10A
Counts	4000	2000	2000	4000	6600	6600
Resistance, up to	40MΩ	20MΩ	20MΩ	40MΩ	66MΩ	66MΩ
Frequency, up to	5MHz	–	–	200kHz	66MHz	66MHz
Temperature, up to	–	–	–	1832°F	–	1832°F
Capacitance, up to	100μF	–	–	100μF	66mF	66mF
Continuity test	✓	✓	✓	✓	✓	✓
Transistors test	–	–	–	–	–	–
Diode test	✓	✓	✓	✓	✓	✓
Battery test	–	–	–	–	–	–
DWELL & TACH tests	–	✓	–	–	–	–
Network cable check	–	–	✓	–	–	–
Phone and tone check	–	–	✓	–	–	–
Environmental measurements (RH, temperature, Sound, Luminosity)	–	–	–	✓	–	–
Insulation measurement	–	–	–	–	–	–
Non–contact voltage detection	✓	–	✓	–	✓	✓
Low pass filter	–	–	–	–	–	–
True RMS measurement	–	–	–	–	✓	✓
Low input impedance measurements	–	–	–	–	–	✓
Data Hold	✓	✓	✓	✓	✓	✓
Relative measurements	✓	–	–	–	✓	✓
MAX/MIN	–	MÁX	MÁX	–	✓	✓
Auto range	✓	✓	✓	✓	✓	✓
Auto Power–Off	✓	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	✓	✓
Low battery display	✓	✓	✓	✓	✓	✓
Connectivity	–	–	–	–	USB	–
Datalogging	–	–	–	–	–	–
Safety rating according to EN61010	CAT IV 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V



## ADVANCED MULTIMETERS

**KPS-MT740****KPS-MT900****KPS-MT920****DMM3000****DMM3500BT****DMM4500PV****DMM9000BT**

Code	KPSMT740CBINT	KPSMT900CBINT	KPSMT920CBINT	KPSDMM3000CBINT	KPSDMM3500BT CBINT	KPSDM M4500PVCBINT	KPSDMM9000BT CBINT
Altern voltage, up to	750V	600V	600V	1000V	1000V	1500V	1000V
Direct voltage, up to	1000V	600V	600V	1000V	1000V	2000V	1000V
Altern current, up to	400mA	—	10A	10A	400mA	10A	10A
Direct current, up to	400mA	—	10A	10A	400mA	10A	10A
Counts	6600	6000	4000	6000	6000	6000	40000
Resistance, up to	66MΩ	10MΩ	40MΩ	40MΩ	40MΩ	40MΩ	40MΩ
Frequency, up to	66kHz	3kHz	10MHz	100kHz	100kHz	100kHz	100kHz
Temperature, up to	2372°F	—	—	—	752°F	752°F	2192°F
Capacitance, up to	66mF	—	100mF	10mF	10mF	10μF	40mF
Continuity test	✓	✓	✓	✓	✓	✓	✓
Transistors test	—	—	✓	—	—	—	—
Diode test	✓	—	✓	✓	✓	✓	✓
Battery test	—	—	—	—	—	—	—
DWELL & TACH tests	—	—	—	—	—	—	—
Network cable check	—	—	—	—	—	—	—
Phone and tone check	—	—	—	—	—	—	—
Environmental measurements (RH, temperature, Sound, Luminosity)	—	—	—	—	—	—	—
Insulation measurement	50–1000V	—	—	—	—	—	—
Non–contact voltage detection	—	✓	✓	✓	✓	✓	✓
Low pass filter	—	—	—	✓	✓	✓	✓
True RMS measurement	✓	—	✓	✓	✓	✓	✓
Low input impedance measurements	—	—	—	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓	✓	✓
Relative measurements	✓	—	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	—	—	✓	✓	✓
Auto range	✓	✓	✓	✓	✓	✓	✓
Auto Power–Off	✓	✓	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	✓	✓	✓
Low battery display	✓	✓	✓	✓	✓	✓	✓
Connectivity	—	—	BT	—	BT	BT	BT & USB
Datalogging	✓	—	—	—	✓	✓	✓
Safety rating according to EN61010	CAT III 1000V	CAT III 600V	CAT III 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT IV 600V CAT III 1000V	CAT III 1000V CAT IV 600V

## CLAMP METERS


**KPS-DCM200MINI**

**KPS-PA420MINI**

**KPS-PA430MINI**

**KPS-PA440**

**KPS-DCM1500JW**

**KPS-PA900MINI**

Code	KPSDCM200MINICBINT	KPSPA420MINICBINT	KPSPA430MINICBINT	KPSPA440CBINT	KPSDCM1500JWCBINT	KPSPA900MINICBINT
Altern current, up to	300A	400A	400A	200A	200A	600A
Direct current, up to	300A	—	400A	1000μA	—	—
AC/DC low currents (μA)	—	—	—	—	—	—
Altern voltage, up to	—	600V	600V	600V	1000V	600V
Direct voltage, up to	—	600V	600V	600V	1000V	600V
Counts	6000	2000	4000	6000	9999	6000
Resistance, up to	—	2kΩ	40MΩ	60MΩ	10kΩ	10MΩ
Frequency, up to	—	—	1kHz	60MHz	—	3kHz
Temperature, up to	—	—	—	752°F	—	—
Continuity test	—	✓	✓	✓	✓	✓
Diode test	—	✓	✓	✓	✓	—
Capacitance, up to	—	—	4000μF	60mF	—	—
Non-contact voltage detection	✓	—	—	✓	✓	—
Inrush current	✓	—	—	—	—	—
Low pass filter	✓	—	—	—	—	—
True RMS measurement	✓	—	—	—	✓	—
Data Hold	✓	✓	✓	✓	✓	✓
Relative measurements	—	—	✓	—	—	—
MAX/MIN	—	—	✓	—	—	✓
Auto range	✓	—	✓	✓	✓	✓
Jaw capability	0.9"	0.9"	1" with worklight	0.5" with worklight	16 mm	1" with worklight
Auto Power-Off	✓	—	✓	✓	✓	✓
Backlight	✓	—	✓	✓	✓	✓
Low battery display	✓	✓	✓	✓	✓	✓
Connectivity	—	—	—	—	—	—
Datalogging	—	—	—	—	—	—
Safety rating according to EN61010	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 1000V CAT IV 600V	CAT III 600V

## CLAMP METERS

**DCM3000****DCM3500T****DCM4000T****DCM7000BT****DCM8000BT**

Code	KPSDCM3000CBINT	KPSDCM3500TCBINT	KPSDCM4000TCBINT	KPSDCM7000BTCBINT	KPSDCM8000BTCBINT
Altern current, up to	1000A	1000A	1000A	600A	600A
Direct current, up to	—	—	1000A	—	600A
AC/DC low currents (µA)	—	—	—	4000µA	—
Altern voltage, up to	750V	750V	750V	1000V	1000V
Direct voltage, up to	1000V	1000V	1000V	1000V	1000V
Counts	6000	6000	6000	6000	6000
Resistance, up to	20MΩ	20MΩ	20MΩ	600kΩ	600kΩ
Frequency, up to	—	60kHz	60kHz	10kHz	10kHz
Temperature, up to	—	1400°F	1400°F	752°F	—
Continuity test	✓	✓	✓	✓	✓
Diode test	✓	✓	✓	✓	✓
Capacitance, up to	—	6mF	6mF	1000µF	1000µF
Non-contact voltage detection	✓	✓	✓	✓	✓
Inrush current	—	—	—	✓	✓
Low pass filter	—	—	—	✓	✓
True RMS measurement	✓	✓	✓	✓	✓
Data Hold	✓	✓	✓	✓	✓
Relative measurements	✓	✓	✓	✓	✓
MAX/MIN	✓	✓	✓	✓	✓
Auto range	✓	✓	✓	✓	✓
Jaw capability	1.6" with worklight	1.6" with worklight	1.6" mm with worklight	1.5" with worklight	1.5" with worklight
Auto Power-Off	✓	✓	✓	✓	✓
Backlight	✓	✓	✓	✓	✓
Low battery display	✓	✓	✓	✓	✓
Connectivity	—	—	—	BT	BT
Datalogging	—	—	—	✓	✓
Safety rating according to EN61010	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V

## SOLAR & FLEXIBLE CLAMPS


**DCM8500PV**

**DCM8700PV**

**DCM3010FLEX**

**DCM3018FLEX**

**DCM4010FLEX**

**DCM4018FLEX**

Code	KPSDCM8500PVCBINT	KPSDCM8700PVCBIN	KPSDCM3010FLEXCBINT	KPSDCM3018FLEXCBINT	KPSDCM4010FLEXCBINT	KPSDCM4018FLEXCBINT
Altern current, up to	600A	1500A	3000A	3000A	3000A	3000A
Direct current, up to	600A	1500A	–	–	–	–
AC/DC low currents (uA)	4000uA	4000uA	–	–	–	–
Altern voltage, up to	1500V	1500V	–	–	–	1000V
Direct voltage, up to	2000V	2000V	–	–	–	1000V
Counts	6000	6000	–	–	3000	10000
Resistance, up to	600kΩ	600kΩ	–	–	–	10kΩ
Frequency, up to	10kHz	10kHz	–	–	–	10kHz
Temperature, up to	752°F	752°F	–	–	–	–
Continuity test	✓	✓	–	–	–	–
Diode test	✓	✓	–	–	–	–
Capacitance, up to	1000μF	1000μF	–	–	–	–
Non-contact voltage detection	✓	✓	–	–	–	–
Inrush current	✓	✓	–	–	–	–
Low pass filter	✓	✓	–	–	–	–
True RMS measurement	✓	✓	–	–	✓	✓
Data Hold	✓	✓	–	–	✓	✓
Relative measurements	✓	✓	–	–	–	–
MAX/MIN	✓	✓	–	–	–	–
Auto range	✓	✓	–	–	✓	✓
Jaw capability	1.5" with worklight	1.6" with worklight	4"	6"	4"	6"
Auto Power-Off	✓	✓	✓	✓	✓	✓
Backlight	✓	✓	–	–	✓	✓
Low battery display	✓	✓	✓	✓	✓	✓
Connectivity	BT	BT	–	–	–	BT
Datalogging	✓	✓	–	–	–	–
Safety rating according to EN61010	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V



## LEAKAGE & POWER CLAMPS

**KPS-PF10****KPS-PF740****DCM300LEAK****DCM5000PW**

Code	KPSPF10CBINT	KPSPF740CBINT	KPSDCM300LEAKCBINT	KPSDCM5000PWCBINT
Altern current, up to	60A	150A	60A	600A
Min. Resolution	0.01 mA	0.001 mA	0.001 mA	–
Altern voltage, up to	–	600V	–	1000V
Direct voltage, up to	–	600V	–	1000V
Counts	2000	4000	6000	10000
Resistance, up to	40MΩ	40MΩ	–	100kΩ
Frequency, up to	–	–	–	10kHz
Temperature, up to	–	1832°F	–	–
Continuity test	–	✓	–	✓
Diode test	–	✓	–	✓
Capacitance, up to	–	40mF	–	4mF
Non–contact voltage detection	–	–	–	✓
Inrush current	–	–	–	✓
Power measurements	–	–	–	600kW
Harmonic measurements	–	–	–	Up to 25th
Phase sequence	–	–	–	✓
Low pass filter	✓	✓	✓	✓
True RMS measurement	–	✓	✓	✓
Data Hold	✓	✓	✓	✓
Relative measurements	–	–	–	✓
MAX/MIN	–	✓	✓	✓
Auto range	–	✓	✓	✓
Jaw capability	1.2"	1.2"	1.6" with worklight	1.3" with worklight
Auto Power–Off	✓	✓	✓	✓
Backlight	–	–	✓	✓
Low battery display	✓	✓	✓	✓
Connectivity	–	–	BT	BT
Datalogging	–	–	–	✓
EMF Immunity	–	–	<30 A/Meter	–
Safety rating according to EN61010	CAT III 600V	CAT III 600V	CAT III 600V	CAT III 1000V, CAT IV 600V

## NON-CONTACT VOLTAGE DETECTORS



	KPS-DT10	KPS-DT100	KPS-DT120
Code	KPSDT10CBINT	KPSDT100CBINT	KPSDT120CBINT
Non-contact voltage detection	90–1000 VAC	90–1000 VAC	12–1000 VAC
Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Acoustic indication	✓	✓	✓
Visual indication	✓	✓	✓
Sensitivity adjustment	–	–	✓
Safety rating according to EN61010	CAT II 1000V	CAT II 1000V; CAT III 600V	CAT II 1000V; CAT III 600V

## TWO-POLE VOLTAGE TESTERS



	KPS-DT200	TP3000LED	TP3500LCD	TP5000HY
Code	KPSDT200CBINT	KPSTP3000LEDCBINT	KPSTP3500LDCBINT	KPSTP5000HYCBINT
LED bar indicator	AC/DC: 6V, 12V, 24V, 50V, 120V, 230V, 400V	AC/DC: 12V, 24V, 50V, 120V, 230V, 400V, 750V	AC/DC: 12V, 24V, 50V, 120V, 230V, 400V, 750V	AC/DC: 24V, 50V, 120V, 230V, 400V, 690V, 1000V
Polarity	✓	✓	✓	✓
Altern voltage, up to	–	–	750V	999.9V
Direct voltage, up to	–	–	750V	999.9V
Altern current, up to	–	–	–	200A
Counts	–	–	2000	10000
Resistance, up to	–	–	2kΩ	50kΩ
Continuity test	–	✓	✓	✓
Diode test	–	✓	✓	–
RCD Test	–	–	–	–
Phase sequence	–	✓	✓	✓
True RMS measurement	–	–	–	✓
Acoustic indication	–	✓	✓	✓
Visual indication	✓	✓	✓	✓
Data Hold	–	–	–	✓
Auto range	–	–	–	✓
Jaw capability	–	–	–	0.6"
Auto Power–Off	–	–	✓	✓
Low Battery Indicator	–	–	✓	✓
LED Work Light	–	✓	✓	✓
Safety rating according to EN61010	CAT III 400V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V	CAT III 1000V CAT IV 600V

## THERMOMETERS

**KPS-TM500****KPS-TM800****KPS-TM300****KPS-TM320****KPS-TM340**

Code	KPSTM500CBINT	KPSTM800CBINT	KPSTM300CBINT	KPSTM320CBINT	KPSTM340CBINT
IR measurement	√	√	–	–	–
Measurement through Thermocouple	–	√	√	√	√
Temperature, up to	932°F	1472°F (IRT) 1976°F (Thermocouple)	2501°F	2501°F	2501°F
Emissivity	0.95	Adjustable (0.1 to 1.0)	–	–	–
°C,°F Temperatures	√	√	√	√	√
°K Temperature	–	–	√	√	√
Laser pointer	√	√	–	–	–
D:S	10:1	12:1	–	–	–
Channels	1	2	1	2	2
Data Hold	√	√	√	√	√
MAX/MIN/AVG	√	√	√	√	√
Relative measurements	–	√	–	√	√
Autocalibration	–	–	√	√	√
Auto range	√	√	√	√	√
Auto Power–Off	–	√	√	√	√
Backlight	√	√	–	–	–
Low Battery Indicator	√	√	√	√	√
Datalogging	–	√	–	–	√
PC communication	–	–	–	–	USB

## ENVIRONMENTAL METERS


**KPS-SN10**

**KPS-AN10**

**KPS-DG100**

**KPS-LX10**

**KPS-LX30LED**

Code	KPSSN10CBINT	KPSAN10CBINT	KPSDG100CBINT	KPSLX10CBINT	KPSLX30LEDCBINT
Counts	2000	9999	—	2000	2000
Sound Level	30–130 dB	—	—	—	—
Air Flow Speed	—	0.80–40 m/s 2.88–144 km/h 2.62–131.20 ft/s 1.6–77.7 knots 1.8–90 m/h 157.5–7874 ft/min	—	—	—
Light Level	—	—	—	50000 Lux	200000 Lux 20000 FC 999900 CD
Class 2 According with IEC 651	√	—	—	—	—
Weighting selection	A/C	—	—	—	—
Time integration	FAST/SLOW	—	—	—	—
Adjustment of flow area	—	√	—	—	—
Resolution (p.p.m.)	—	—	50 ppm	—	—
Alarm threshold	—	—	10%–40%	—	—
Measurements on LED sources	—	—	—	—	√
Data Hold	√	√	—	√	√
Relative measurements	—	—	—	—	√
MAX/MIN	√/—	√/√	—	—	√/√
Autocalibration	—	—	—	—	√
Auto range	√	√	—	—	√
Auto Power–Off	√	√	—	—	√
Backlight	√	√	—	—	—
Low Battery Indicator	√	√	—	√	√



## INDUSTRIAL METERS

**KPS-TC10****KPS-TC20****KPS-CF100**

Code	KPSTC10CBINT	KPSTC20CBINT	KPSCF100CBINT
Angular speed	50–19999 RPM	50–99999 RPM	–
Linear speed	✓	–	–
Distance to object	Contact	1.96" to 9.84"	–
Data Hold	✓	✓	–
MAX/MIN	✓	✓	–
Auto range	✓	✓	–
Auto Power–Off	✓	✓	–
Backlight	✓	✓	–
Low Battery Indicator	✓	✓	–
Datalogging	✓	✓	–
Phase sequence	–	–	✓
Identification of wrong wiring	–	–	✓
Motor rotation tester	–	–	✓
Rotary field indication	–	–	✓
Safety rating according to EN61010	–	–	CAT III 600V

## LCR TESTERS

**KPS-SMD500****KPS-SMD520****KPS-SMD600**

Code	KPSSMD500CBINT	KPSSMD520CBINT	KPSSMD600CBINT
Counts	3000	6000	2000
Resistance, up to	30MΩ	20MΩ	–
Capacitance, up to	30mF	6mF	200μF
Inductance, up to	–	200H	2H
Continuity test	✓	–	–
Diode test	✓	–	–
SMART Technology	✓	✓	–
Data Hold	✓	✓	–
Auto range	✓	✓	–
Auto Power–Off	✓	✓	–
Low Battery Indicator	✓	✓	✓

## TEST LEADS & ACCESSORIES



Code	KPSPT15PEINT	KPSPT20PEINT	KPSPT30CSINT	KPSCP300PEINT	KPSCP400CSINT	KPSCP420PEINT	KPSCP500CBINT
Test cables (black and red)	✓	✓	✓	✓	✓	–	–
Test leads for Insulation Test up to 10kV	–	–	–	–	–	✓	–
Earth resistance test leads and cables	–	–	–	–	–	–	✓
Test leads (black and red)	✓	✓	✓	–	✓	–	–
Alligator clips (black and red)	–	–	✓	–	–	–	–
Built-in replaceable fuses	–	–	–	–	✓	–	–
Cable length	2.6 ft	3.28 ft	3.28 ft	3.28 ft	4.92 ft	8.85 ft	98.4 / 65.6 / 16.4 ft
Max current	10A	10A	10A	10A	10A	2mA	2A
Safety rating according to EN61010	CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 600V CAT II 1000V	CAT III 1000V	CAT IV 600V CAT III 1000V	CAT III 10k Vdc	CAT III 600V

## ALLIGATOR CLIPS

## THERMOCOUPLE WIRES



Code	KPSPT100PEINT	KPSPT120PEINT	KPSPT200PEINT
Test leads (black and red)	–	–	✓
Alligator clips (black and red)	✓	✓	–
Length	2.1"	2.6"	7.28"
Max. current	10A	10A	5A
Safety rating according to EN61010	CAT III 1000V	CAT IV 600V CAT III 1000V	CAT IV 600V CAT III 1000V



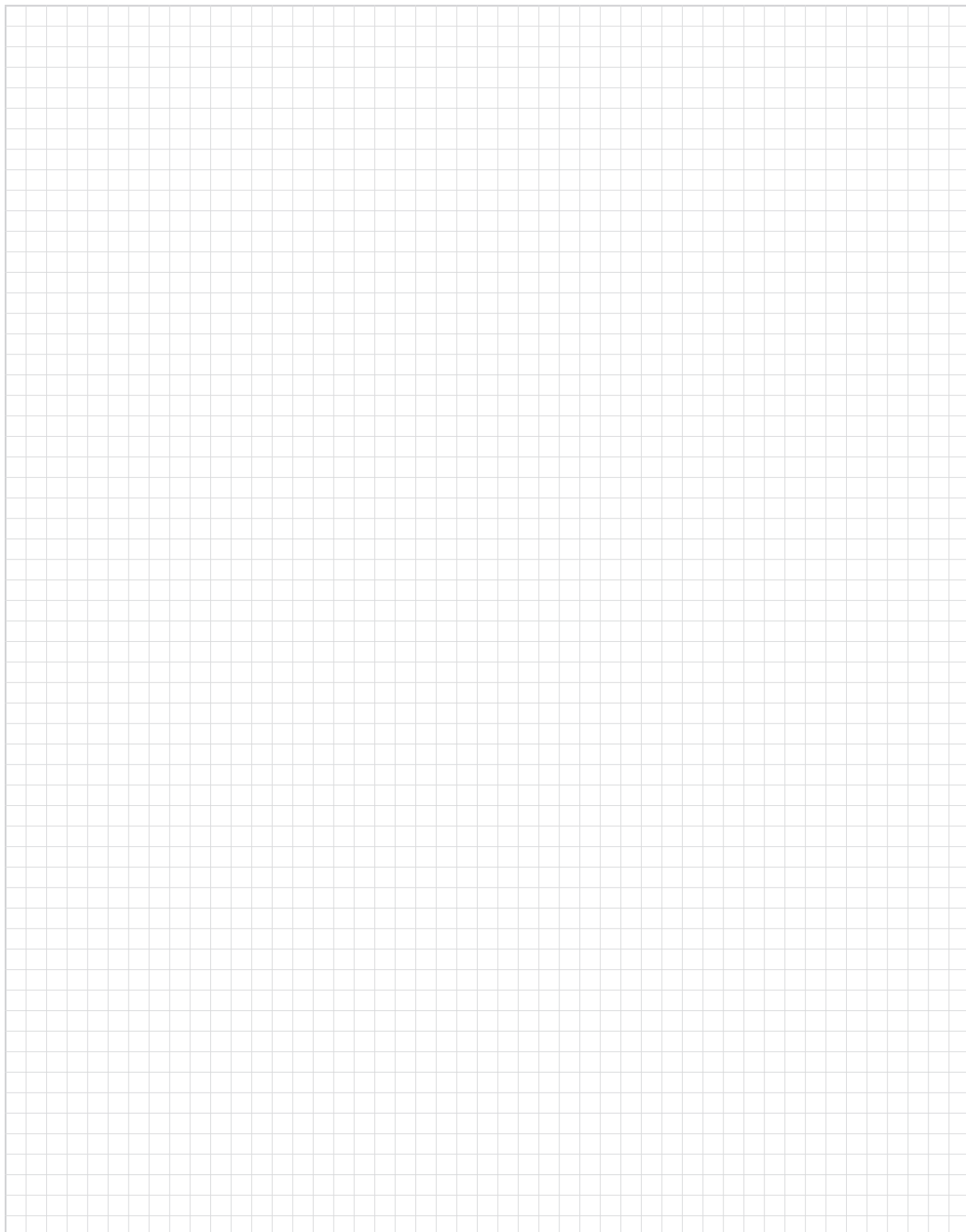
Code	KPSTP100PEINT	KPSTP120PEINT	KPSTP300PEINT	KPSTP320PEINT
Connector type	Banana	Banana	Plug	Plug
Probe type	Thermocouple	Rod	Thermocouple	Rod
Temperature range	–40 – 500°F	–40 – 1112°F	–40 – 500°F	–40 – 1112°F
Cables length	39.4"	39.4"	39.4"	39.4"

## AC LINE SPLITTER



### KPS-SL100US

Code	KPSSL100USCBINT
Multipliers of current	x1/x10
Terminals for voltage measurement	✓
Max. current	13A
Safety rating according to EN61010	CAT II 600V





[www.kps-usa.com](http://www.kps-usa.com)



[cs.na@kps-intl.com](mailto:cs.na@kps-intl.com)



6509 Northpark Blvd, Suite 400  
Charlotte, NC 28216 USA

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