

FOR FINE PRESSURE AND FLOW MEASUREMENT

OEM relative and absolute pressure transmitter type 511

Pressure range -1 ... 0 – 600 bar



Type 511 pressure transmitters meet the highest specifications for longevity, accuracy, temperature stability and EMC characteristics, making them suitable for an extremely wide range of demanding industrial applications.

- Compact, rugged construction for highest operational reliability
- No media egress when exceeding rupture pressure (patented)
- Negligible temperature influence on accuracy
- Excellent EMC capacity
- Saving time by quick cable mounting by the customer with swift connector

Fechnical overview				
ressure range Relative				-1 0 – 600 bar
bsolute				0 25 bar
perating conditions				
Лedium			EDN 4	Liquids and gases
			<u>FPM</u> EPDM	-15 +125 °C -25 +125 °C
			NBR	-25 +125 °C
emperature			FPM spec.	-40 +150 °C
	Ambient 1)		ratiom. output, AMP JPT	max. +125 °C
	Ambient		all other versions	max. + 85 °C
olerable overload / repture pre	essure 2)		<u>-1 4 bar</u> 6 600 bar	3.0 x fs 2.5 x fs (max. 900 bar)
			6 600 bar	2.5 x is (iliax. 900 bai)
Materials				
Tase				Stainless steel 1.4305 / AISI 303
			Pressure connection	Stainless steel 1.4305 / AISI 303
Materials in contact with the m	edium		Sensor	Ceramic Al ₂ O ₃ (96%)
			Media stop system Sealing material	PPS FPM, EPDM, NBR, FPM spec.
			Sealing material	TTIVI, LI DIVI, NDIX, TTIVI Spec.
Media stop system				
	prevent media egress wh	en exeeding rupture pressi	ure range (> 40 bar nominal value	e).
lectrical overview	OL:+0::+	Downer Guest.	Load	Current consumption 4)
! wire	Output 4 20 mA	Power supply 8.0 33 VDC	Load < supply voltage - 8 V 0.02 A [Ohm]	Current consumption */ < 20 mA
. vvii C	0 5 V	8.0 33 VDC	>10 kOhm / < 100 nF	< 4 mA
	1 6 V	8.0 33 VDC	>10 kOhm / < 100 nF	< 4 mA
3 wire	0 10 V	11.4 33 VDC	>10 kOhm / < 100 nF	< 4 mA
	<u>0 10 V</u>	24 VAC ±15%	>10 kOhm / < 100 nF	< 4 mA
	ratiom. 10 90%		>10 kOhm / < 100 nF	< 4 mA
Polarity reversal protection	Short circuit proof and	protected against polarity	reversal. Each connection is prote standard	ected against crossover up to max. supply volta 500 VDC
nsulation voltage			optional	1000 VDC
lesponse time				< 2 ms, typ. 1 ms
Oynamic response Response time Load cycle Protection standard				< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301	I-803-C			< 100 Hz
esponse time oad cycle rotection standard Vith connector DIN EN 175301	I-803-C			< 100 Hz
lesponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Lectrical connection	I-803-C			< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Cable 1.5 m	I-803-C			< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Cable 1.5 m Swift connector				< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Clectrical connection Cable 1.5 m Swift connector Connector AMP (Junior power	time)			< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Eable 1.5 m Swift connector Connector AMP (Junior power Connector M12x1 plastic threa	time) d			< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Cable 1.5 m Liwift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac	time) d			< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Cable 1.5 m Liwift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac	time) d			< 100 Hz
lesponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Lectrical connection Cable 1.5 m wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803	time) d d d i-C (mini-DIN)			< 100 Hz
Response time oad cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Cable 1.5 m Wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803	time) d J 3-C (mini-DIN) G ½ with O-Ring s			< 100 Hz
lesponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Lectrical connection Cable 1.5 m wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803	time) d J 3-C (mini-DIN) G ½ with O-Ring s	k, DIN 3852, form E		< 100 Hz
Response time oad cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Cable 1.5 m Wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803	time) d 3- 3-C (mini-DIN) G 1/4 with O-Ring s G 1/4 sealed at bac G 1/2 sealed at fror	k, DIN 3852, form E		< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Rable 1.5 m Rivift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 Pressure connection Inside thread	time) d d B-C (mini-DIN) G ¼ with O-Ring s G ½ sealed at bac G ½ sealed at bac ½ sealed at bac ¼ -18 NPT	k, DIN 3852, form E nt		< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Rable 1.5 m Rivift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 Pressure connection Inside thread	time) d d B-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ¼ -18 NPT R ¼, DIN 2999	k, DIN 3852, form E nt k and manometer (combi)		< 100 Hz
rotection standard Vith connector DIN EN 175301 Vill other versions lectrical connection Cable 1.5 m wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 ressure connection nside thread	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E		< 100 Hz
rotection standard Vith connector DIN EN 175301 Vill other versions lectrical connection Cable 1.5 m wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 ressure connection nside thread	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E nt k and manometer (combi)		< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E		< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Cable 1.5 m Swift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threa Connector DIN EN 175301-803 Pressure connection Inside thread	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E		< 100 Hz
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Cable 1.5 m Swift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 Pressure connection Inside thread Outside thread	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E		< 100 Hz
rotection standard With connector DIN EN 175301 Will other versions lectrical connection Cable 1.5 m Wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 ressure connection Inside thread Outside thread Installation arrangement Inrestricted Sests / Admissions	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E It k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E	EN 61326 2 2	< 100 Hz
lesponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Lectrical connection Cable 1.5 m wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 Pressure connection Inside thread Outside thread Dutside thread Cests / Admissions Lectromagnetic compatibility	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc.	EN 61326-2-3	< 100 Hz
lesponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Lectrical connection Cable 1.5 m wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector DIN EN 175301-803 Pressure connection Inside thread Dutside thread Dutside thread Longett Admissions Lectromagnetic compatibility JL	time) d d d d G-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed at	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873		< 100 Hz IP 65 IP 67
Response time oad cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Cable 1.5 m Wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector DIN EN 175301-803 Pressure connection Inside thread Dutside thread Prestricted Rests / Admissions Rectromagnetic compatibility JL Rectromagnetic Connection Rectromagnetic compatibility JL Rectromagnetic Compatibility JL Rectromagnetic Compatibility JL Rectromagnetic LEC 60068-2-27	time) d d d d d d d d d d d d d d d d d d d	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873	ine wave, all 6 directions. Free fal	< 100 Hz IP 65 IP 67
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Cable 1.5 m Lowift connector Connector AMP (Junior power Connector M12x1 plastic threat Connector DIN EN 175301-803 Pressure connection Inside thread Dutside thread Prests / Admissions Rectromagnetic compatibility Constant shock acc. IEC 60068-2-27 Constant shock acc. IEC 60068	time) d d d d d d d d d d d d d d d d d d d	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873 100 q, 11 ms half s 40 q for 6 ms, 1000	ine wave, all 6 directions. Free fal D x all 3 directions	< 100 Hz IP 65 IP 67
desponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Ilectrical connection Cable 1.5 m wift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threa Connector DIN EN 175301-803 Pressure connection Inside thread Outside thread Dutside thread Direstricted Sests / Admissions Ilectromagnetic compatibility JIL hock acc. IEC 60068-2-27 Constant shock acc. IEC 60068 (ibration acc. IEC 60068-2-6	time) d d d d d d d d d d d d d d d d d d d	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873 100 q, 11 ms half s 40 q for 6 ms, 1000	ine wave, all 6 directions. Free fal D x all 3 directions	IP 65 IP 67 I from 2 m on concrete (6x)
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Cable 1.5 m Rewift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threa Connector DIN EN 175301-803 Pressure connection Inside thread Pressure connection Inside thread Rectrical connection Inside thread Installation arrangement Installatio	time) d d d d d d d d d d d d d d d d d d d	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873 100 q, 11 ms half s 40 q for 6 ms, 1000	ine wave, all 6 directions. Free fal D x all 3 directions	IP 65 IP 67 I from 2 m on concrete (6x) ve/min. all 3 directions, 50 constant load
desponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Jectrical connection Cable 1.5 m wift connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 Pressure connection Inside thread Outside thread Jurestricted Jurestricte	time) d d d d d d d d d d d d d d d d d d d	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873 100 q, 11 ms half s 40 q for 6 ms, 1000	ine wave, all 6 directions. Free fal D x all 3 directions	IP 65 IP 67 I from 2 m on concrete (6x) ve/min. all 3 directions, 50 constant load ~ 85 g
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Electrical connection Cable 1.5 m Swift connector Connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 Pressure connection Inside thread Dutside thread	time) d d d d d d d d d d d d d d d d d d d	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873 100 q, 11 ms half s 40 q for 6 ms, 1000	ine wave, all 6 directions. Free fal D x all 3 directions	IP 65 IP 67 I from 2 m on concrete (6x) ve/min. all 3 directions, 50 constant load
desponse time oad cycle Protection standard With connector DIN EN 175301 All other versions Description of the protection of the protect	time) d d B-C (mini-DIN) G ¼ with O-Ring s G ¼ sealed at bac G ½ sealed at bac ½ -18 NPT R ¼, DIN 2999 M12x1.5, sealed a M14x1.5, sealed a	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873 100 q, 11 ms half s 40 q for 6 ms, 1000	ine wave, all 6 directions. Free fal D x all 3 directions	IP 65 IP 67 I from 2 m on concrete (6x) ve/min. all 3 directions, 50 constant load ~ 85 g
Response time Load cycle Protection standard With connector DIN EN 175301 All other versions Rectrical connection Cable 1.5 m Wift connector AMP (Junior power Connector M12x1 plastic threa Connector M12x1 metal threac Connector DIN EN 175301-803 Pressure connection Inside thread Dutside thread Pressure connection Inside thread Rectromagnetic compatibility JL Lihock acc. IEC 60068-2-27 Constant shock acc. IEC 60068-2-6 Veight Version with inside thread	time) d d d d d d d d d d d d d d d d d d d	k, DIN 3852, form E nt k and manometer (combi) at back, DIN 3852, form E at back, DIN 3852, form E CE conformity acc. acc. Standard 873 100 q, 11 ms half s 40 q for 6 ms, 1000	ine wave, all 6 directions. Free fal D x all 3 directions	IP 65 IP 67 I from 2 m on concrete (6x) ve/min. all 3 directions, 50 constant load ~ 85 g

Version until +150 °C on request	²⁷ higher overload and rupture pressure on request	3) at nominal pressure	

Accuracy

Parameter		Unit	
Tolerance zero point	max.	% fs	±0.3
Tolerance full scale	max.	% fs	±0.3
Resolution		% fs	0.1
Total of linearity,			
hysteresis and repeatability	max.	% fs	±0.3
Long term stability acc. DIN EN 60770		% fs	±1.0
TC zero point 1)	max.	% fs/10K	±0.15
TC sensitivity 1)	max.	% fs/10K	±0.15

25 °C, 45% RH, power supply 24 VDC TC z.p. / TC s. -40 ... +125 °C Test conditions:

Order code selecti	on table in bar	511	. X	Χ	Χ	Χ	Χ	Χ	Χ	Χ	Χ	X
Pressure mode	Relative		9									
	Absolute		8									
Pressure range 2)	-1 + 0 bar		9	0	0							
3	0 + 1 bar			1	1							
	0 + 1.6 bar			1	2							
	0 + 2.5 bar			1	4							
	0 + 4 bar			1	5							
	0 + 6 bar			1	7							
	0 + 10 bar			3	0							
	0 + 16 bar			3	1							
	0 + 25 bar			3	2							
	0 + 40 bar		9	3	3						2	
	0 + 60 bar		9	4	0						2	
	0 + 100 bar		9	4	1						2,5	
	0 + 160 bar		9	4	2						2,5	
	0 + 250 bar	not free of oil and grease	9	4	3						2,5	
	0 + 400 bar	not free of oil and grease (FPM spec. seal only)	9	5	4	6					2,5	
	0 + 600 bar	not free of oil and grease (FPM spec. seal only)	9	5	5	6					2,5	
	▲ Full scale	e signale at these pressures										
Sealing material 2)	FPM	Fluoro elastomer				0						
3	EPDM	Ethylene propylene				1						
	NBR	Butadiene Acylonitrile				2						
	FPM spec.	Fluoro elastomer spec.				6						
Adjustment	Factory	·					0					
Output / power supply	0 5 V	8.0 33 VDC IN=1 / OUT=3 / GND=4						1				
	1 6 V	8.0 33 VDC IN=1 / OUT=3 / GND=4						6				
	0 10 V	11.4 33 VDC IN=1 / OUT=3 / GND=4						2				
	0 5 V	8.0 33 VDC IN=1 / OUT=4 / GND=3						F	5,7			
	1 6 V	8.0 33 VDC IN=1 / OUT=4 / GND=3						G	5,7			
	0 10 V	11.4 33 VDC IN=1 / OUT=4 / GND=3						Н	5,7			
	0 10 V	24 VAC ±15%						7	1,0			
	4 20 mA	8.0 33 VDC						3				
	ratiom. 10 90%	5 VDC ±5%						4				
Electrical connection	Cable 1.5 m								0			
	Swift connector								1			
	Connector AMP JPT	4)							2			
	Connector M12x1 p	plastic thread ⁴⁾							5			
	Connector M12x1 n	netal thread ⁴⁾							7			
	Connector DIN EN 17	'5301-803-C (mini DIN) 2 w: IN=3 / OUT=1 3 w: IN=3 / OUT=2 / GND=1							8			
	Connector DIN EN 17	'5301-803-C (mini DIN) 2 w: IN=1 / OUT=2 3 w: IN=1 / OUT=3 / GND=2							9			
Pressure connection 5)	Inside thread	G ¼ mit O-Ring seal								1		
	Outside thread	G ¼ sealed at back, DIN 3852, form E								4		
	Outside thread	G ½ sealed at front								9		
	Outside thread	G ½ sealed at back and manometer (combi)								8		
	Outside thread	1/4 -18 NPT								3		
	Outside thread	R ¼, DIN 2999								7		
	Outside thread	M12x1.5, sealed at back, DIN 3852, form E								5		
	Outside thread	M14x1.5, sealed at back, DIN 3852, form E								6		
Version	Stainless steel withou										1	_
		nedia stopper (standard from 40 bar)									2	
		nedia stopper, free of oil and grease (FPM spec. seal only)				6					3	
		ressure tip orifice (from 100 bar)									5	
Pressure range variation		range on order (e.g.: W0 + 8bar/OUT16V)										W

Accessories			
Female connector for connector M12x1 Female connector AMP (Junior power timer) 2-wire Female connector AMP (Junior power timer) 3-wire Female connector swift connector Female connector mini DIN		Order number	
Female connector for connector M12x1		106975	
Female connector AMP (Junior power timer) 2-wire		110442	
Female connector AMP (Junior power timer) 3-wire		108767	
Female connector swift connector (inclu	uded in delivery)	107359	
Female connector mini DIN		104244	
Calibration certificate		104551	

¹⁾ TC = Temperature coefficient ⁴⁾ Delivery without female connector

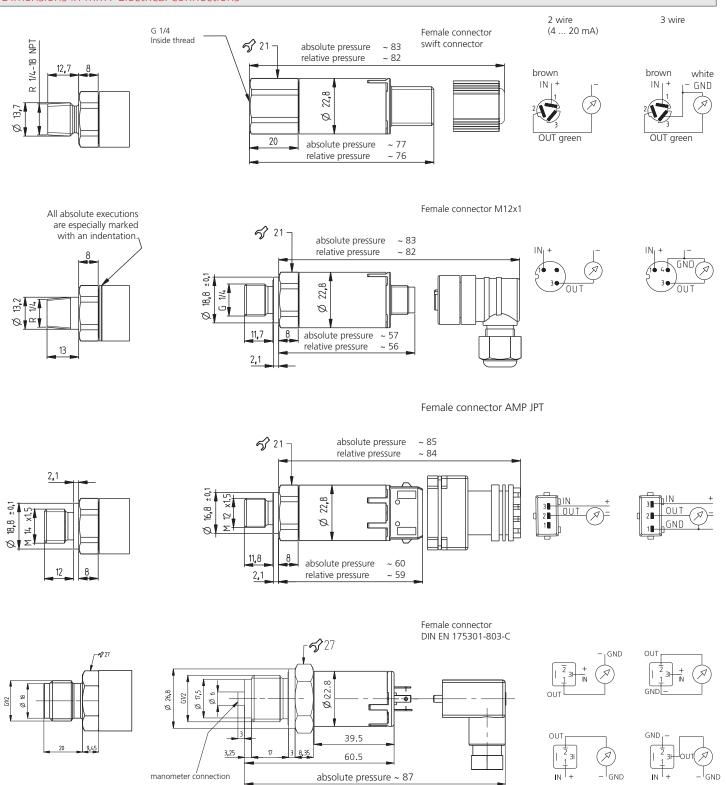
²⁾ Other pressure range on request ⁵⁾ Other pressure connection on request

³⁾ Other sealing material on request

Order code selection	n table in psi	511.	X	Χ	X	Χ	X	Χ	X	Χ	Χ	Χ
Pressure mode	Relative		9									
	Absolute		8									
Pressure range 1)	-30 + 0"hg		9	Α	0							
· · · · · · · · · · · · · · · · · ·	0 + 15 psi			В	1							_
	0 + 30 psi			В	4							_
	0 + 60 psi			В	5							_
	0 + 100 psi			В	7							_
	0 + 200 psi			С	1							_
	0 + 300 psi			С	2							_
	0 + 500 psi		9	С	3						2	_
	0 + 700 psi		9	D	0						2	
	0 +1000 psi		9	D	1						2,5	
	0 +2000 psi		9	D	2						2,5	_
	0 +3000 psi not free of oil and grease		9	D	3						2,5	_
	0 +5000 psi not free of oil and grease (FPM spec. seal on	lv)	9	E	4	6					2,5	_
	0 +7500 psi not free of oil and grease (FPM spec. seal or		9	E	5	6					2,5	
	▲ Full scale signale at these pressures		+-								2,3	
Sealing material 2)	FPM Fluoro elastomer					0						
Scaling material	EPDM Ethylene propylene					1						_
	NBR Butadiene Acylonitrile					2						_
	FPM spec. Fluoro elastomer spec.		+			6						
Adjustment	Factory		+			- 0	0					
Output / power supply	0 5 V 8.0 33 VDC IN=1 / OUT=3 / GI	VID-4	+				0	1				
Output / power supply	1 6 V 8.0 33 VDC IN=1 / OUT=3 / GI							6				
	0 10 V 11.4 33 VDC IN=1 / OUT=3 / GI							2				
	0 5 V 8.0 33 VDC IN=1 / OUT=4 / GI								5,7			
	1 6 V 8.0 33 VDC IN=1 / OUT=4 / GI								5,7			
	0 10 V 11.4 33 VDC IN=1 / OUT=4 / GI								5,7			
	0 10 V 11.4 33 VDC 1N=17 001=47 GI	ND=3							1,0			
	4 20 mA 8.0 33 VDC							3	1,0			
	ratiom. 10 90% 5 VDC ±5%		+					4				
Electrical connection	Cable 1.5 m		-					4	^			
Electrical confidention	Swift connector		-						0			
	Connector AMP JPT 4)								2			
	Connector M12x1 plastic thread ⁴⁾								5 7			
	Connector M12x1 metal thread ⁴⁾ Connector DIN EN 175301-803-C (mini DIN) 2 w: IN=3 / OUT=1 3 w:	IN 3/OUT 3/CND 1							8			
	Connector DIN EN 175301-803-C (mini DIN) 2 w: IN=1 / OUT=2 3 w:								9			
Pressure connection 5)	, ,	IN=1/001=3/GND=2							9	1		
Pressure connection 37										1		
	Outside thread G ½ sealed at front		-							9		
	Outside thread G ½ sealed at back and manometer (combi)									8		
	Outside thread 1/4 - 18 NPT									3		
	Outside thread R ¼, DIN 2999		-							7		
	Outside thread M12x1.5, sealed at back, DIN 3852, form E		-							5		
Moneton	Outside thread M14x1.5, sealed at back, DIN 3852, form E									6	1	
Version	Stainless steel without media stopper										1	
	Stainless steel with media stopper (standard from 500 psi)	1 1)	-								2	
	Stainless steel with media stopper, free of oil and grease (FPM spec. se	eal only)	_			6					3	
	Stainless steel with pressure tip orifice (from 1000 psi)		1								5	
Pressure range variation	Indicate W and state range on order (e.g.: W0 + 120psi/OUT16V)		1									W

Order code selection	on table in MPa	511	. X	X	X	X	X	Χ	Χ	Χ	Χ	X
Pressure mode	Relative		9									
Tressure mode	Absolute		8									
Pressure range 1)	-0.1 + 0 MPa		9	F	0							
Tressare range	0 + 0.1 MPa			G	1							
	0 +0.16 MPa			G	2							
	0 +0.25 MPa			G	4							
	0 + 0.4 MPa			G	5							
	0 + 0.6 MPa			G	7							
	0 + 1 MPa			Н	0							
	0 + 1.6 MPa			Н	1							
	0 + 2.5 MPa			Н	2							
	0 + 4 MPa		9	Н	3						2	
	0 + 6 MPa		9	K	0						2	
	0 + 10 MPa		9	K	1						2,5	
	0 + 16 MPa		9	K	2						2,5	
	0 + 25 MPa	not free of oil and grease	9	K	3						2,5	
	0 + 40 MPa	not free of oil and grease (FPM spec. seal only)	9	L	4	6					2,5	
	0 + 60 MPa	not free of oil and grease (FPM spec. seal only)	9	L	5	6					2,5	
		cale signale at these pressures		L		U					۷,၁	
Sealing material 2)	FPM	Fluoro elastomer				0						
Sealing material	EPDM	Ethylene propylene				1						
	NBR	Butadiene Acylonitrile				2						
	FPM spec.	Fluoro elastomer spec.				6						
Adjustment	Factory	Tidolo elastoriler spec.				U	0					
Output / power supply	0 5 V	8.0 33 VDC IN=1 / OUT=3 / GND=4					0	1				
Output / power supply	1 6 V	8.0 33 VDC IN=1 / OUT=3 / GND=4						6				
	0 10 V	11.4 33 VDC IN=1 / OUT=3 / GND=4						2				
	0 5 V	8.0 33 VDC IN=1 / OUT=4 / GND=3							5,7			
	1 6 V	8.0 33 VDC IN=1 / OUT=4 / GND=3							5,7			
	0 10 V	11.4 33 VDC IN=1 / OUT=4 / GND=3							5,7			
	0 10 V	24 VAC ±15%							1.0			
	4 20 mA	8.0 33 VDC						3	1,0			
	ratiom. 10 90%	5 VDC ±5%						4				
Electrical connection	Cable 1.5 m	3 VDC ±3 /0						4	0			
Liectrical confrection	Swift connector								1			
	Connector AMP JPT	4)							2			
	Connector M12x1 p								5			
	Connector M12x1 p								7			
		75301-803-C (mini DIN) 2 w: IN=3 / OUT=1 3 w: IN=3 / OUT=2 / GND=1							8			
		75301-803-C (mini DIN) 2 w: IN=1 / OUT=2 3 w: IN=1 / OUT=3 / GND=2							9			
Pressure connection 5)	Inside thread	G ¼ mit O-Ring seal							9	1		
r ressure connection	Outside thread	G ¼ sealed at back, DIN 3852, form E								4		
	Outside thread	G ½ sealed at front								9		
	Outside thread	G ½ sealed at horit								8		
	Outside thread	1/4 -18 NPT								3		
	Outside thread	R ¼, DIN 2999								7		
	Outside thread	M12x1.5, sealed at back, DIN 3852, form E								5		
	Outside thread	M14x1.5, sealed at back, DIN 3852, form E								6		
Version	Stainless steel witho									U	1	
A CL 2101.1		nedia stopper nedia stopper (standard from 4 MPa)									2	_
						6					3	_
		media stopper, free of oil and grease (FPM spec. seal only)				Ö					5	_
	Stairliess Steel With D	e range on order (e.g.: W0 + 0.8MPa/OUT16V)									D	W

Dimensions in mm / Electrical connections



relative pressure ~ 86