



TECHNICAL DATA	
Non linearity (BFSL)	±0.15% FS; ±0.25% FS (max)
Hysteresis	±0.1% FS; ±0.15% FS (max)
Repeatability	±0.025% FS; ±0.05% FS (max)
Zero offset tolerance	±0.15% FS; ±0.25% FS (max)
Span offset tolerance	±0.15% FS; ±0.25% FS (max)
Accuracy at room temperature <b>a)</b>	< ±0.5% FS
Pressure ranges <b>b)</b>	See table
Resolution	Infinite
Overpressure (without degrading performance)	See table
Pressure containment (burst test)	See table
Pressure media	Fluids compatible with stainless steel AISI 430F and 17-4 PH
Housing	Stainless steel AISI 304
Power supply	10...30 V DC
Dielectric strength	250 V DC
Zero output signal	4 mA
Full scale output signal	20 mA
Allowed load	See load diagram
Long term stability	<0.2% FS/per year
Operating temperature range (process)	-40...+125 °C (-40...+257 °F)
Operating temperature range (ambient)	-40...+105 °C (-40...+221 °F)
Compensated temperature range	-20...+85 °C (-40...+185 °F)
Storage temperature range	-40...+125 (-40...+257 °F)
Temperature effects over compensated range (zero)	±0.01% FS/°C; ±0.02% FS/°C (max)
Temperature effects over compensated range (span)	±0.01% FS/°C; ±0.02% FS/°C (max)
Response time (10...90% FSO)	< 1 ms
Warm-up time <b>c)</b>	< 30 s
Mounting position effects	Negligible
Humidity	100% RH non-condensing
Weight	80 g to 120 g nominal
Mechanical shock	100 g / 11 ms according to IEC 60068-2-27
Vibrations	20 g max at 10...2000 Hz according to IEC 60068-2-6
Type of protection	IP 65 / IP 67
Output short circuit and reverse polarity protection	Yes
EC Conformity	According to directive 2014/30/EU

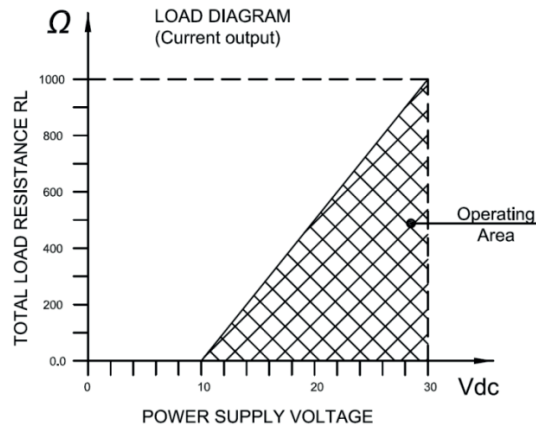
FS = Full Scale.

**a)** Including Non-linearity, Hysteresis, Repeatability, Zero-offset and Span-offset (acc. to IEC 61298-2).

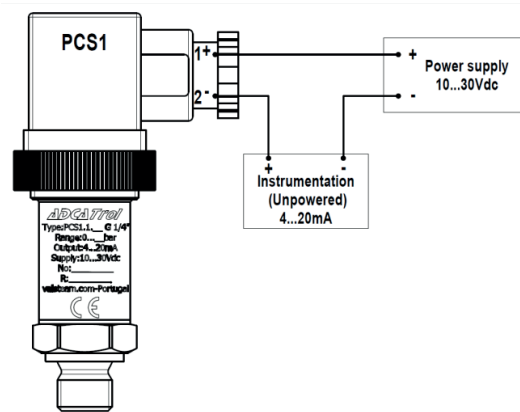
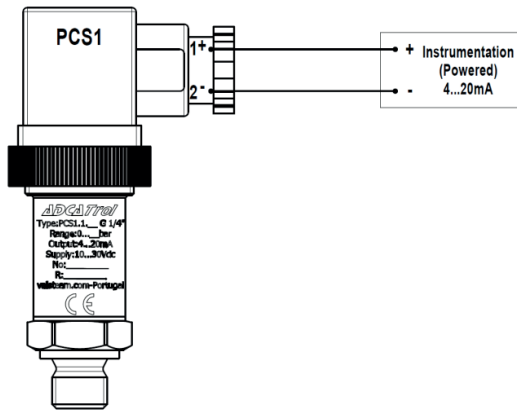
**b)** The operating pressure range is intended from 0.5% to 100% FS.

**c)** Time within which the rated performance is achieved.

### LOAD DIAGRAM



### WIRING DIAGRAMS



### ORDERING CODES PCS1

Group Designation	PCS1	.1	.10
Pressure transmitter	PCS1		
<b>Electrical Connections</b>			
4-pin DIN connector (EN 175301-803 Form A) IP 65 a)		.1	
<b>Measurement Range</b>			
0...6 bar			.6
0...10 bar			.10
0...16 bar			.16
0...25 bar			.25
0...40 bar			.40
0...100 bar			.100
0...250 bar			.250
0...400 bar			.400
0...600 bar			.600

a) 4-pin male M12x1 connector IP 67 is available under special request.