

Description



The relative pressure transmitter PTD series with ceramic measuring cell is used to measure relative pressures of non-aggressive media.

Possible fields of application are building automation, industrial, pneumatic and hydraulic sectors.

The standard series covers various measurement ranges (see schedule) with linear output signals 4 ... 20 mA or 0 ... 10 V DC.

The resistant stainless steel case is available with two connectors and has an IP65 protection class.

Technical specifications

Power supply	Output 4...20 mA: 24 V DC / Output 0...10 V 24 V AC/DC
Output signal	0 ... 10 V DC or 4 ... 20 mA
Burst pressure	x 2,5 FS
Linearity	≤ 1% of FS
Hysteresis	≤ 0,5% of FS
Working temperature	0 ... 85°C
Thread	G 1/2", G 1/4"
Electrical connection	Connector DIN EN 175301-803-A
Housing	Stainless steel Aisi 303
Protection class EN 60529	IP65
Standards	CE, 2011/65/EU (RoHS II)

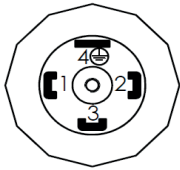


Code matrix

Configurable pressure range	0... 0,16 MPa	(0... 1,6 bar)	PTD	01	
	0... 0,25 MPa	(0... 2,5 bar)		02	
	0... 0,4 MPa	(0... 4 bar)		03	
	0... 0,6 MPa	(0... 6 bar)		04	
	0... 1 MPa	(0... 10 bar)		05	
	0... 1,6 MPa	(0... 16 bar)		06	
	0... 2,5 MPa	(0... 25 bar)		07	
	0... 4 MPa	(0... 40 bar)		08	
	0... 6 MPa	(0... 60 bar)		09	
	-0,1... 0 MPa	(-1... 0 bar)		10	
	-0,1... 0,06 MPa	(-1... 0,6 bar)		11	
	-0,1... 0,15 MPa	(-1... 1,5 bar)		12	
	-0,1... 0,3 MPa	(-1... 3 bar)		13	
	-0,1... 0,5 MPa	(-1... 5 bar)		14	
	-0,1... 0,9 MPa	(-1... 9 bar)		15	
	-0,1... 1,5 MPa	(-1... 15 bar)		16	
	-0... -0,1 MPa	(-0... -1 bar)		17	
Thread	G1/4"			1	
	G1/2"			2	
Output signal	0...10 V DC, 3 wire, linear				V
	4...20 mA, 2 wire, linear				C

Electrical wirings

DIN EN 175301-803-A



Output 4...20 mA		Output 0...10 V	
Pin	Connection	Pin	Connection
1	+IN	1	+IN
2	OUT	2	GND
3		3	+OUT
4		4	

Dimensions (mm)

