

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

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

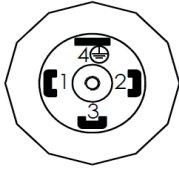


Code matrix

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

## Electrical wirings

### DIN EN 175301-803-A



Output 4...20 mA		Output 0...10 V	
Pin	Connection	Pin	Connection
1	+Ub	1	+Ub
2	GND	2	GND
3	-	3	+Out
4	-	4	-

## Dimensions (mm)

