

# PT1000/PT2000



## For the most demanding applications in machine construction

- -1...1000 bar relative pressure
- 0...16 bar absolute pressure
- For media temperatures in the range of -40...+135 °C
- Compact space-saving design
- Stainless steel 1.4404/AISI 316L
- ATEX approval
- Marine and drinking water approval
- Increased interference immunity
- With numerous process connections

Whether in mining, the marine industry, or for demanding pressure applications in machine building, extremely rough conditions are the norm. Specifically for these tough requirements Turck offers the new PT1000/2000 pressure transmitters.

Maximum resistance to vibration, continuous shocks and permanent pressure and temperature changes - even in aggressive media - make the pressure transmitters a reliable equipment for your plant safety and process control.

PT 10R - 10 03 - I2 - H1143 - D830

PT 10R Pressure range - 10 03 Mechanical version -

### Pressure range

	bar relative	psi relative
1VR	-1...0 bar <sup>(6)</sup>	15PSIVG -15...0 psi <sup>(6)</sup>
1V	-1...1 bar	15PSIV -15...15 psi
1.5V	-1...1.5 bar	45PSIV -15...45 psi
2.5V	-1...2.5 bar	85PSIV -15...85 psi
5V	-1...5 bar	130PSIV -15...130 psi <sup>(6)</sup>
9V	-1...9 bar <sup>(6)</sup>	185PSIV -15...185 psi
15V	-1...15 bar	285PSIV -15...285 psi
24V	-1...24 bar	485PSIV -15...485 psi
1R	0...1 bar <sup>(6)</sup>	15PSIG 0...15 psi <sup>(6)</sup>
1.6 R	0...1.6 bar <sup>(6)</sup>	20PSIG 0...20 psi <sup>(6)</sup>
2.5R	0...2.5 bar <sup>(6)</sup>	30PSIG 0...30 psi <sup>(6)</sup>
4R	0...4 bar	60PSIG 0...60 psi
6R	0...6 bar <sup>(6)</sup>	100PSIG 0...100 psi <sup>(6)</sup>
10R	0...10 bar <sup>(6)</sup>	150PSIG 0...150 psi <sup>(6)</sup>
16R	0...16 bar <sup>(6)</sup>	200PSIG 0...200 psi <sup>(6)</sup>
25R	0...25 bar <sup>(6)</sup>	300PSIG 0...300 psi <sup>(6)</sup>
40R	0...40 bar <sup>(6)</sup>	500PSIG 0...500 psi <sup>(6)</sup>
60R	0...60 bar <sup>(6)</sup>	750PSIG 0...750 psi <sup>(6)</sup>
100R	0...100 bar <sup>(6)</sup>	1000PSIG 0...1000 psi <sup>(6)</sup>
160R	0...160 bar <sup>(6)</sup>	2000PSIG 0...2000 psi <sup>(6)</sup>
250R	0...250 bar <sup>(6)</sup>	3000PSIG 0...3000 psi <sup>(6)</sup>
400R	0...400 bar <sup>(6)</sup>	5000PSIG 0...5000 psi <sup>(6)</sup>
600R	0...600 bar <sup>(6)</sup>	7500PSIG 0...7500 psi <sup>(6)</sup>
1000R	0...1000 bar	14500PSIG 0...14500 psi
	bar absolute	psi absolute
1A	0...1 bar a	15PSIA 0...15 psi a
1.6A	0...1.6 bar a	20PSIA 0...20 psi a
2.5A	0...2.5 bar a	30PSIA 0...30 psi a
4A	0...4 bar a	60PSIA 0...60 psi a
6A	0...6 bar a	100PSIA 0...100 psi a
10A	0...10 bar a	150PSIA 0...150 psi a
16A	0...16 bar a	200PSIA 0...200 psi a

### Functional principle

PT Pressure transmitter

### Process connection

Male thread	
13	G1/8", DIN 3852 Form E
40	G1/4" manometer connection
04	G1/4", DIN 3852 Form E <sup>(6)</sup>
43	G1/2", front sealing
08	G1/2", manometer connection <sup>(6)</sup>
14	1/8"-27 NPT <sup>(6)</sup>
03	1/4"-18 NPT <sup>(6)</sup>
05	7/16"-20 UNF straight <sup>(6)</sup>
41	M10 x 1, back sealing
20	M20 x 1.5
10	R1/4" acc. to EN 10226
47	Male thread G1/4" PVDF thread front sealing (≤ 16 bar)
48	Male thread G1/2" PVDF thread front sealing (≤ 16 bar)
46	Male thread G 1/8" front sealing
Female thread	
01	G1/4" <sup>(6)</sup>
17	1/2"-14 NPT
18	7/16"-20 UNF
44	7/16"-20 UNF with Schrader nipple
Tube connection	
42	Cutting tube- (Tube: Ø 6/4, Steel 1.4301/AISI 304)

### Design/Functional principle

10	Cylindrical ceramic measuring cell <sup>(1)</sup>
20	Cylindrical metal measuring cell fully welded <sup>(2)</sup>