

Digital contact gauge TST-PM 63

Dry ceramic sensor
Measuring range 250 mbar ... 250 bar



Description

- 3-digit LED display
- 14 mm digits
- 1 addressable transistor output, DC PNP, max. 200 mA
- Dry ceramic sensor
- Measuring range 250 mbar ... 250 bar
- 4 (0) ... 20 mA analog output, 3-wire
- 0 ... 10 V DC analog output, 3-wire
- Ambient temperatures -25 ... +80 °C
- Media temperature -25 ... +100 °C
- 63 mm stainless steel case

The digital contact gauge TST-PM 63 measures and monitors pressure ranges from 250 mbar to 250 bar and displays the measured value. The threshold values can be set via the control buttons.

Standard pressure ranges		Type: TST-PM 63							
Measuring range	mbar	250*	400	500	600	1000	1600	2000	
Overpressure	bar	-0,15 / 1	-0,15 / 1	-0,2 / 2	-0,2 / 2	-0,4 / 4	-0,4 / 4	-0,4 / 4	
Measuring range	bar	2,5	4	5	6	10	16	20	
Overpressure	bar	-0,8 / 10	-0,8 / 10	-0,8 / 10	-1 / 20	-1 / 40	-1 / 40	-1 / 40	
Measuring range	bar	25	40	50	60	100	160	200	250
Overpressure	bar	-1 / 100	-1 / 100	-1 / 100	-1 / 200	-1 / 200	-1 / 400	-1 / 400	-1 / 600
Measuring range	bar	-1 ... 0	-1 ... 0,6	-1 ... 1	-1 ... 3	-1 ... 5	-1 ... 15	-1 ... 19	
Overpressure	bar	-1 / 4	-1 / 4	-1 / 4	-1 / 10	-1 / 10	-1 / 40	40	

* Total measurement error 1 % Absolute pressure measuring upon request

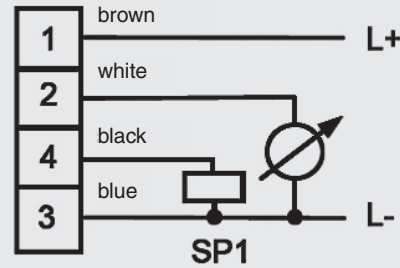
Technical data	Type: TST-PM 63
Measuring range	0 ... 250 mbar to 0 ... 250 bar
Analog output	4(0) ... 20 mA, 0 ... 10 V DC
Contact output	DC PNP, max. 200 mA
Accuracy	≤± 0,5% FS
Response time	200 ms
Operating voltage U _B	10 ... 30 V DC, 20 mA Output 16 ... 30 V DC, 10 V DC Output
Ambient temperatures	-25 ... +80 °C
Media temperature	-25 ... +100 °C
Temperature coefficient zero point	≤± 0,03 % FS / K
Temperature coefficient range	≤± 0,02 % FS / K
Stability per year	≤± 0,5 % FS
Bayonet lock case	Stainless steel, 1.4301 (304) IP 67
Process connection	G1/4" B, 1.4404 (316L)
Sensor element	Ceramic AL ₂ O ₃ , gasket ring FKM (Viton) (others on request)
Electrical connection	Connector M8 x 1, 4-pin

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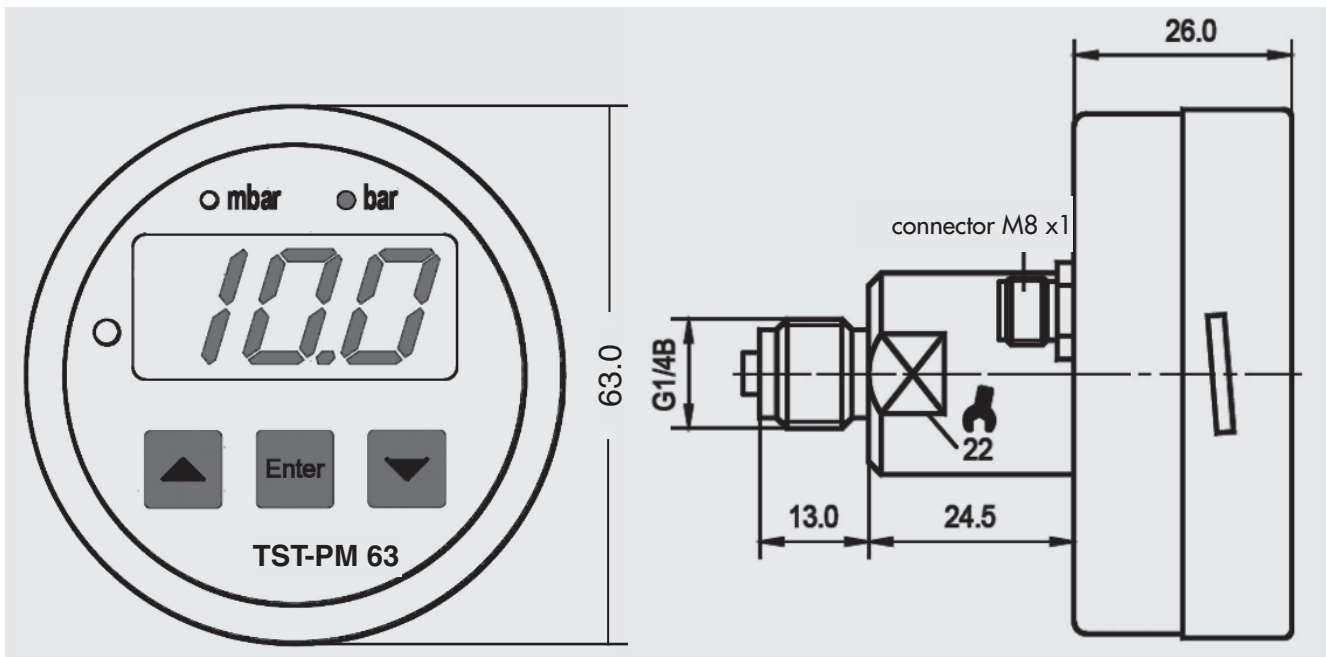
Dry ceramic sensor
Measuring range 250 mbar ... 250 bar

Electrical connections

Connector M8 x 1 4-pin



Dimensional drawing



Type designation:

Typ: TST-PM63, **10.2**, **-1...+1 bar**, **G1/4"B**, **FKM**

TST-PM63, 10.2, -1...+1bar, G1/4"B, FKM

- 1 Output signal
 - **10.1** = 0 ... 20 mA (3-wire) Analog output
 - **10.2** = 4 ... 20 mA (3-wire) Analog output
 - **20.0** = 0 ... 10 V DC (3-wire) Analog output
 - **0A** = without Analog output
- 2 Measuring range
 - **for example 400 mbar, 1,6 bar, -1 ... +1 bar**
- 3 Process connection
 - **G1/4"B**
- 4 Gasket ring
 - **FKM** = FKM (Viton)
 - **NBR** = NBR (Perbuan)
 - **EPDM** = EPDM