pressure-gauge type TM01

description:

High quality pressure gauge made of stainless steel to controll process tempereatures. Available as analog 4 – 20mA output or Pt100 4-wire output. Convinces by high quality, reliability and precision. Optional with neck tube to protect electrical devices from high process temperatures.

product features:

- to measure temperatures of liquid and gaseous media
- high flexibility by various sensor tube diameters and lengths
- different versions with diverse process connections
- male thread or hygiene process connection
- M12 plug included

connection:

G 1/2" B

temperature:

-50°C up to +150°C

sensor length:

0 – 200,0 mm – depending on design

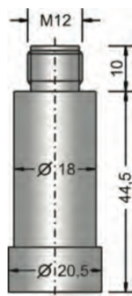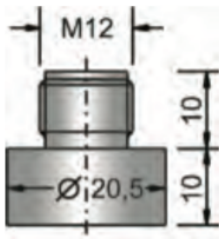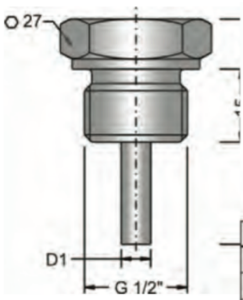|	
design:	thermometer in compact design
body material:	Cr-Ni-steel
sensor:	Pt100 class A – IEC 60751
process connection:	stainless steel 1.4571/316TI
supply voltage:	10–35V DC reverse voltage protected
precision:	0,1K oder 0,08%
long-term drift:	≤±0,1K or 0,5% FS / Jahr not cumulative
output:	analog 4 – 20mA
temperature:	process: -50°C – +150°C
	environment: -40°C – +85°C
EMV compatibility:	Class B means of production / industrial sector (EN/IEC 61326)
electrical connection:	plug M12 IP67

diameter:

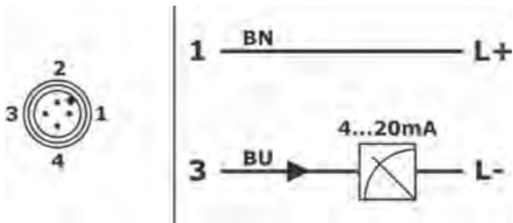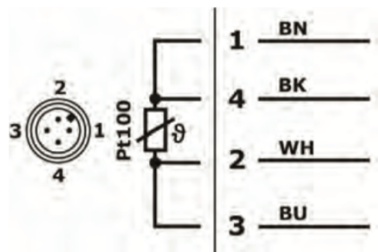2-wire, 4...20mA

Pt100, 4-wire
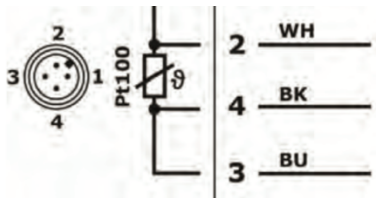
process connection:

G 1/2" ISO 228-1

2-wire / 4...20 mA

4-wire / Pt100 / Type 1

4-wire / Pt100 / Type 2

explanation:

Core color standard connection cable M12:
BN = brown, WH = white, BU = blue, BK = black
The connection cable is not included.

article number:

type	range of temperature	sensor length	electrical output	connection	sensor-diameter
TM01	00 – -50 – +100°C	**0 – 50 mm**	0 – 2-Leiter, 1x 4 – 20mA	**03 – G 1/2" B**	**.6 – 6 mm**
	01 – -40 – +60°C	1 – 100 mm	**1 – Pt100, 4-Leiter, Typ 1***		.8 – 8 mm
	02 – -30 – +60°C	2 – 150 mm	2 – Pt100, 4-Leiter, Typ 2*		.10 – 10 mm
	03 – -30 – +150°C	3 – 200 mm			
	04 – -30 – +70°C				
	05 – -20 – +20°C				
	06 – -20 – +60°C				
	07 – -10 – +40°C				
	08 – 0 – +50°C				
	09 – 0 – +100°C				
	10 – 0 – +150°C (-50 - +150°C for Pt100)*				

* NOTE: Electrical output Pt100 always with temperature range -50 bis +150°C. In case of Pt100 output please order range of temperature 10.

example:
TM01100103

thermometer in compact design made of stainless steel **without neck tube**

output:	Pt100, 4-wire, Type 1
sensor length:	50 mm
sensor diameter:	6 mm
range of temperature:	-50°C – +150°C
connection:	G 1/2" B

Note:

If process temperatures increase 100°C, a neck tube is recommended to protect the electrical devices. The neck tube is available with a standard length of 100 mm or individual lengths. Depending on the ordered length, an extra charge will be calculated. Please order as followed:

example:

TM01100103.6**HS** – for standard length of 100mm

TM01100103.6**Hxxx** – for individual lengths of xxx mm

Image similar, subject change without notice.