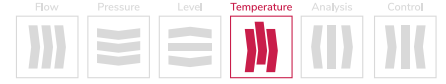


MTS200

Compact Temperature Transmitters



OVERVIEW

Operation

MTS200 series temperature transmitters are suitable for liquids, gas temperature measuring and controlling in the moderate media, with sensor probe working very well with long term stability at the high pressure of 100 bar. The measuring ranges, graded in accordance with EN, range from -100°C to the maximum temperature range of 600 °C The wetted parts comprise stainless steel and are thus resistant to chemically aggressive media.

Application

- Water supply and treatment
- Steam/Water: Feed water system, condensate system
- Heat generation
- Gypsum treatment
- Turbines: Steam, gas, lubricant supply
- Coal mill, oil or natural gas supply
- Wastewater

Features

- Compact design
- Protection type IP65
- Wide measuring range
- Simple installation
- Perfect long term stability
- RTD component
- Cost effective
- Resistant against to vibration and temperature shocks



OPERATING DATA

Temperature Limit

-40...85°C

Stability

0.03% of FS/year

Accuracy

±0.3% FS for

Over Pressure

100 Bar(g) maximum

Enclosure

IP65,IP68 Ex-proof as optional

Process Connection

1/2", 3/4", 1" NPT or G,also sanitary

MEASURING RANGES

Temperature Range

-100...600°C

MATERIALS

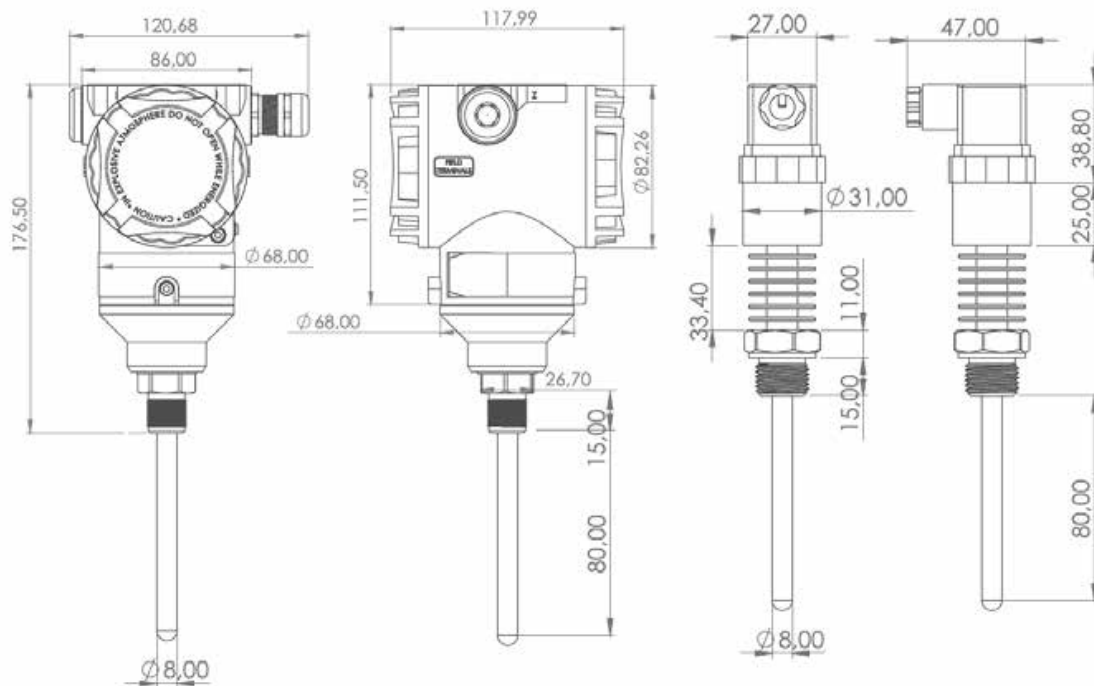
Body

AISI316

Others

On request

TECHNICAL DRAWINGS AND DIMENSIONS



ELECTRICAL DATA

Output

2-wire, 4-20 mA
4-wire as optional

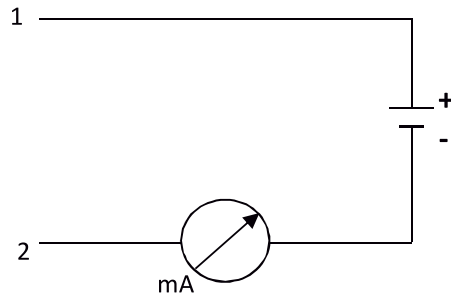
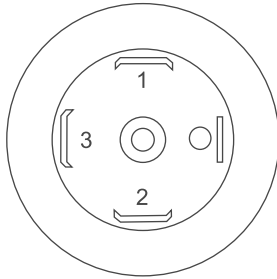
Power Supply

12-36 VDC power

Electrical Connection

DIN 43650A, cable as optional

WIRING



Wiring 2-wire

MEASURING RANGES

Code	Range	Code	Range	Code	Range
001	-100...50°C	005	0...150°C	009	0...500°C
002	-100...100°C	006	0...200°C	010	0...600°C
003	0...50°C	007	0...300°C	XXX	Special Ranges
004	0...100°C	008	0...400°C		



ORDERING

Model	
MIT200	Compact Temperature Transmitters

Output	
420	4-20 mA

Measuring Range	
XXX	Please see "Measuring Ranges Table"

Insertion Length (L)	
XXX	Please fill directly as unit is mm

Process Connection	
01	G 1/2"
02	1/2" NPT-M
03	G 3/4"
04	3/4" NPT-M
05	G 1"
06	1" NPT-M
07	Clamp Connection (please specify)

Electrical Connection	
DIN	DIN 43650A
CA	Cable (Specify in order)

Hazardous Area	
N	None
Xi	II 1/2G Ex ia IIC T4 Gb(Ga)
Xd	Ex d IIC T4

