

Datasheet

Temperature Meter ET100 - Economy

Introduction

ET100 equips with a pt100 and a transmitter, pt100 is used to sensing the changes of medium temperature, the transmitter will convert the changes to industrial signal and output.



Characteristics

Compact design

-58...392°F / -50...200°C

High repeatability, self-compensation

Easy to install

Pressure rating up to 1450 psi / 100 bar

4...20mA output

Applications

Hydraulic and lubrication system

Cooling system

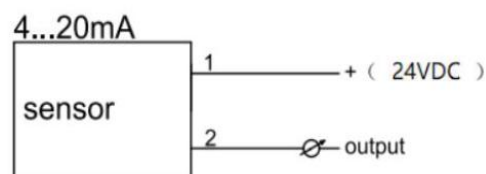
Heating system

Water supply system

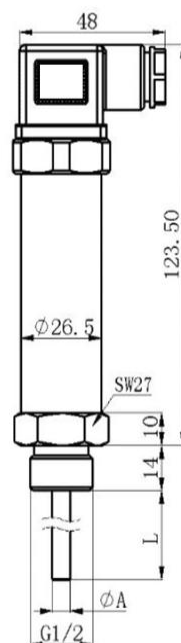
Specifications

Measuring range	-58...32°F (-50...0°C)
	-58...122°F (-50...50°C)
	32...122°F (0...50°C)
	32...176°F (0...80°C)
	32...212°F (0...100°C)
	32...248°F (0...120°C)
	32...302°F (0...150°C)
	32...392°F (0...200°C)
Accuracy	0.5K + 0.4% of full span
Resolution	< 0.5% of full span
Process pressure	Ø6 probe: 580 psi / 40 bar
	Ø8 probe: 1450 psi / 100 bar
Temperature effect	0.1K / 10K
Response time	2.3s
Power	24 VDC
Output	4...20mA
Wiring protection	Reverse polarity, Over-voltage
Sensor	PT100
Ambient temperature	-13...176°F / -25...80°C
Protection class	IP65
Housing material	304 stainless steel
Wetted parts material	304 or 316L stainless steel selectable
Electrical connection	Hirschmann plug

Wiring



Dimensions in mm



1. A for probe diameter
2. L for probe length
3. Left is an example with G1/2.
Dimension for other connections
on request

Order Code

Example: ET100-T5A6L25G12

1. Model

ET100- Economy temperature meter

2. Measuring range

T1	-58...32°F (-50...0°C)
T2	-58...122°F (-50...50°C)
T3	32...122°F (0...50°C)
T4	32...176°F (0...80°C)
T5	32...212°F (0...100°C)
T6	32...248°F (0...120°C)
T7	32...302°F (0...150°C)
T8	32...392°F (0...200°C)

3. Probe material

A	304 stainless steel
B	316L stainless steel

4. Probe diameter

6	Ø6 (pressure rating: 580 psi / 40 bar)
8	Ø8 (pressure rating: 1450 psi / 100 bar)

5. Probe length

L25	25 mm (default)
L50	50 mm
L75	75 mm
L100	100 mm
	other length on request

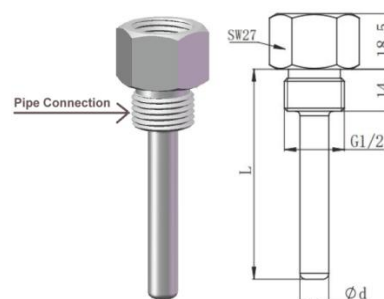
6. Process connection

G12	G1/2" male thread (default)
G14	G1/4" male thread
N12	NPT1/2" male thread
N14	NPT1/4" male thread
	other thread on request

7. Thermalwell (Optional)

PG12	G1/2" male thread
PG14	G1/4" male thread
PN12	NPT 1/2" male thread
PN14	NPT1/4" male thread

Select the thread for pipe connection



Thermalwell

Accessory - Welding socket

1. Model

TT01- Welding socket

2. Thread

G14	Fitting thread: 1/4" G thread
G12	Fitting thread: 1/2" G thread
N14	Fitting thread: 1/4" NPT thread
N12	Fitting thread: 1/2" NPT thread

