

# 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

-50...200°C / -58...392°C

High repeatability, self-compensation

Easy to install

High process pressure, up to 100 bar / 1450 psi

4...20mA output

### Applications

Hydraulic and lubrication system

Cooling system

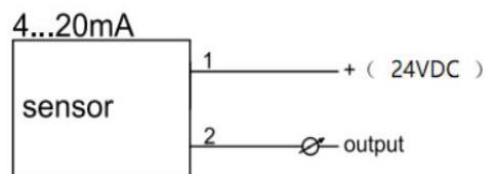
Heating system

Water supply system

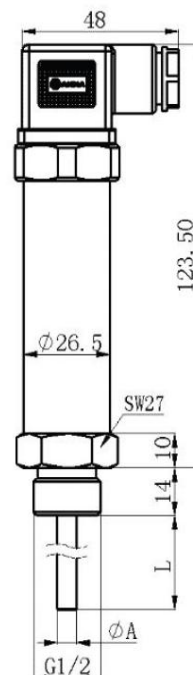
## Specifications

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

## Wiring



## Dimensions in mm



## Order Code

Example: ET100-T5A6L25G14

### 1. Model

ET100- Economy temperature meter

### 2. Measuring range

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

### 3. Probe material

A	304 stainless steel
B	316L stainless steel

### 4. Probe diameter

6	Ø6
8	Ø8

### 5. Probe length

L25	25 mm
L50	50 mm
L75	75 mm
L100	100 mm

### 6. Process connection

G14	G1/4 male thread
G12	G1/2 male thread (Default)
G34	G3/4 male thread
G1	G1 male thread
N14	NPT1/4 male thread
N12	NPT1/2 male thread (Default)
N34	NPT3/4 male thread
N1	NPT1 male thread