

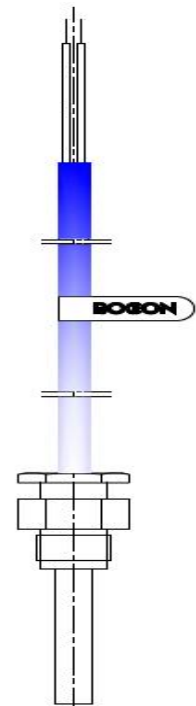
Heat Meter Special Purpose Pairing Temperature Sensor (TM1101/21)

1. Meets the requirements as per DIN EN 1434.
2. Single-vessel product comply with IEC 751.
3. The temperature sensor is available in paired.

Heat meter RTD temperature probes are used for temperature measurement in closed-loop pipe systems.

It is very convenient to install in the specialized pipeline ball valve.

The system need not be discharged during installation and/or replacement of the temperature probe once the valid calibration period has elapsed.



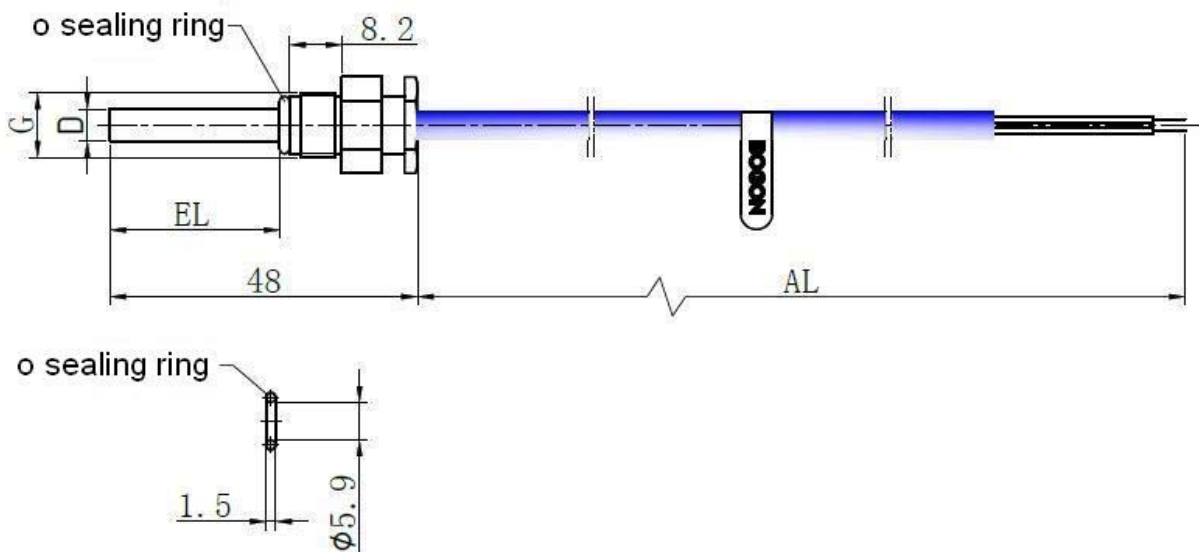
Technical Data

Connection Cable	PVC -5 ~ +105°C Silicone -5 ~ +150°C
Protective tube	Stainless steel 316 L
Protective tube outer diameter	5mm, 5.2mm
Sensor element	Pt100, Pt500, Pt1000 coincidence IEC751
Process connection	Pipe thread, copper M10X 1
Terminal connection	Wire terminal with tin plated
Maximum cable length see sheet in below	

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Cable cross-section	Max. connection cable length AL for Pt100	Max. connection cable length AL for Pt500	Max. connection cable length AL for Pt1000
0.22 mm ²	2500mm	12500mm	25000mm
0.34 mm ²	3500mm	17500mm	35000mm
0.50 mm ²	5000mm	25000mm	50000mm

Dimensions



TM1101/21 Heat meter temperature sensor basic model

Order Details:

TM1101/21 (1) — (2) — (3) — (4) — (5) — (6) — (7) — (8)

(1) Protective tube diameter D

5 5mm
5.2 5.2mm

(2) Insert Length EL

26 26mm
Other length as per final confirmed

(3) Sensor element

11 1 x Pt100 in 2-wire connection
51 1 x Pt500 in 2-wire connection
61 1 x Pt1000 in 2-wire connection

(4) Measuring range/Connection cable

11 -5 ~ 105°C/PVC
12 -5 ~ 150°C/Silicone

(5) Accuracy class

1 class B
2 class A

(6) Process connection G

115 M10 X 1 copper

(7) Length of cable L (500≤AL)

1500 1500mm (basic)

Others also available on conditions that it can accord with technical requirement.

(8) Connection cable termination

01 Tin-plated wires
02 terminal cap

Selection example:

TM1101/21 - 5 - 26 - 61 - 11 - 1 - 115 - 1500 - 01