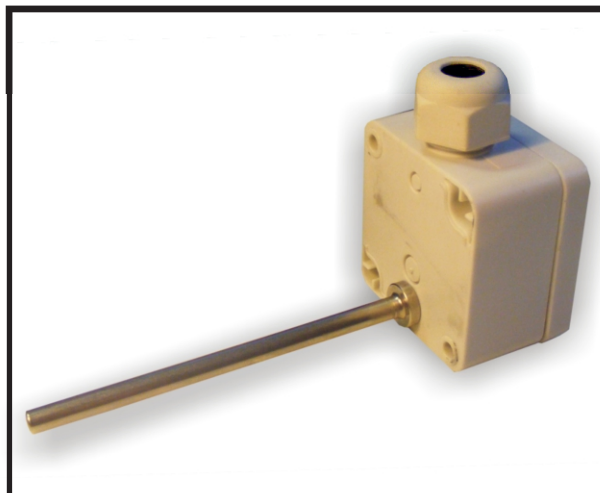
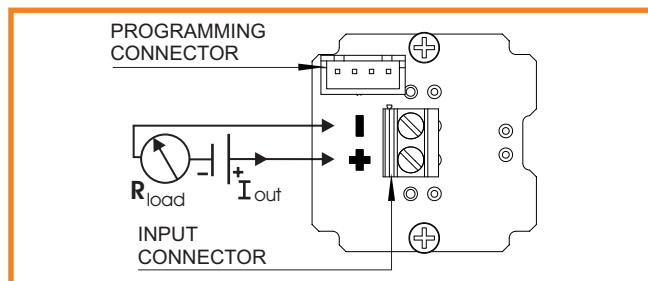
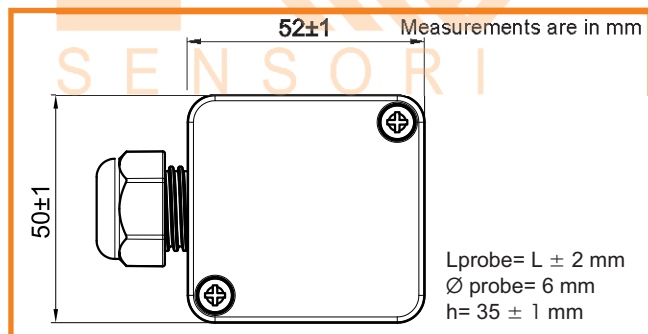


Probe for duct temperature measurements with plastic junction box and cable gland. Stem Ø6mm stainless sheath in order to protect the sensing element from aggressive environmental conditions.

DUCT PROBE

TEMPERATURE PROBE WITH JUNCTION BOX AND PROGRAMMABLE 4-20 mA OUTPUT



TECHNICAL DATA

Body:

Plastic

Steam:

Stainless steel Ø6mm

Input connector:

Two poles with screws

Environments conditions:

Body and electronic circuit: -40°C ÷ 80°C

Relative humidity: 0 ÷ 100%

Temperature sensor: -50°C ÷ 100°C

Storage conditions:

Temperature: -40°C ÷ 80°C

Relative humidity: 0 ÷ 100%

Sensor:

RTD Pt100 3 wire

Sensor break monitoring:

Selectable during configuration between:
upscale (>21,0mA) or downscale (<3,6mA) action

Sensor short circuit:

Fixed: downscale (<3,6mA)

Output:

Signal: 4 ÷ 20mA

Permissible load: 700Ω @ 24 Vcc ($R_{load}(\Omega) = (U - 8.5) / 0.022$)

Transmitter response time (90%): <50ms

Isolation In / Out:

Non-isolated

Power supply:

8.5 ÷ 32 Vdc (polarity protected)

CODE TO ORDER:

SCAT02#		P1AQX
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100	0100
150	0150
200	0200
300	0300

Length L = (mm)



HEMATIK
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Range configuration (measuring range):

It is possible set the input temperature range (span) between -50°C and 800°C by the Evomini+SET configuration kit (is needed a PC with OS Windows).

Zero adjustments: any value between -50°C and 50°C

Minimum span: 50°C or 20°C (if the zero point is one of these values: -40°C, -20°C, 0°C, 20°C, 40°C, the minimum span is 20°C, otherwise is 50°C)

Sensor error compensation: over 2 points (max 1% of span)

Degree of protection:

IP65 / IP67 in accordance to IEC60529

Cable diameter for cable gland:

Input: from Ø5mm to Ø10mm

Accuracy:

Transmitter: Max. value between ±0,2°C and ±0,2% of span

Pt100 sensor: class A up to 300°C in accordance to IEC751

Temperature influence (deviation from 20°C):

Max. value between ±0,3°C / 25°C and 0,3% of range / 25°C

Power supply influence:

Negligible

Factory configuration:

-50 ÷ 100°C / Sensor break indication upscale (>21,0mA)

Options:

On request, adjustment on 1 or 2 points

Configuration kit with USB interface EVOMINI+SET

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