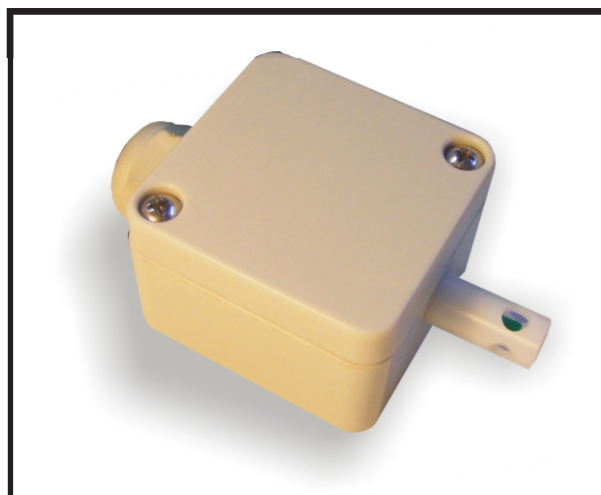
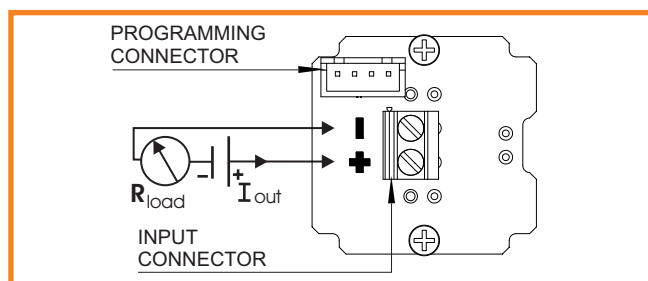
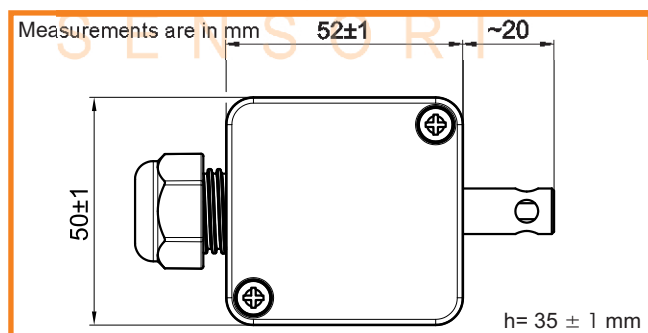


Room temperature probe with programmable 4-20 mA output. The thermowell is made of plastic with holes next to the sensing element in order to obtain a fast response time.

ROOM TEMPERATURE PROBE FOR ROOM TEMPERATURE MEASUREMENTS WITH JUNCTION BOX AND 4-20 mA OUTPUT

SCAT-P



TECHNICAL DATA

Body:

Plastic

Input connector:

Two poles with screws

Environments conditions:

Body and electronic circuit: $-40^{\circ}\text{C} \div 80^{\circ}\text{C}$

Relative humidity: $<80\%$ (not condensing)

Temperature sensor: $-40^{\circ}\text{C} \div 80^{\circ}\text{C}$

Storage conditions:

Temperature: $-40^{\circ}\text{C} \div 80^{\circ}\text{C}$

Relative humidity: $<80\%$ (not condensing)

Sensor:

RTD Pt100 2 wire

Sensor break monitoring:

Selectable during configuration between:

upscale ($>21,0\text{mA}$) or downscale ($<3,6\text{mA}$) action

Sensor short circuit:

Fixed: downscale ($<3,6\text{mA}$)

Output:

Signal: $4 \div 20\text{mA}$

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

Transmitter response time (90%): $<50\text{ms}$

Isolation In / Out:

Non-isolated

Power supply:

$8.5 \div 32\text{Vdc}$ (polarity protected)

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:

IP60 in accordance to IEC60529

Cable diameter for cable gland:

Input: from $\varnothing 5\text{mm}$ to $\varnothing 10\text{mm}$

Accuracy:

Transmitter: Max. value between $\pm 0,2^{\circ}\text{C}$ and $\pm 0,2\%$ of span

Pt100 sensor: class B in accordance to IEC751

Temperature influence (deviation from 20°C):

Max. value between $\pm 0,3^{\circ}\text{C} / 25^{\circ}\text{C}$ and $0,3\%$ of range / 25°C

Power supply influence:

Negligible

Factory configuration:

$-40 \div 80^{\circ}\text{C}$ / Sensor break indication upscale ($>21,0\text{mA}$)

Options:

On request, adjustment on 1 or 2 points

Configuration kit with USB interface EVOMINI+SET

CODICE PER ORDINARE:

SCAT#	CP1BQX
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