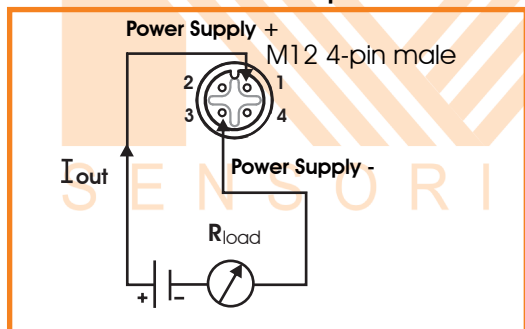
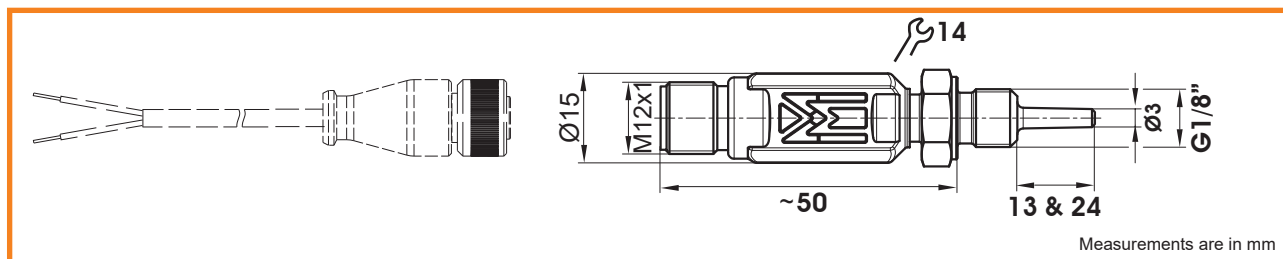
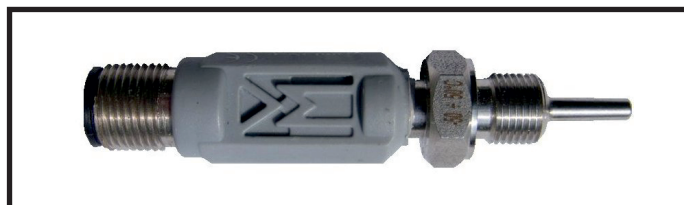


Compact temperature transmitter with PC-PROGRAMMABLE range, moulded on connector (IP67) with M12 male thread, 4-20mA output, 1/8" straight gas male thread process connection. Suitable for measurement in fluids up to 110°C.

Output connection



COMPACT EVOMINI + COMPACT AND PROGRAMMABLE TEMPERATURE TRANSMITTER WITH 4-20mA OUTPUT



TECHNICAL DATA

Body:

Thermoplastic material

Stem dimensions:

Length: 13mm & 24mm

Diameter: Ø3mm

Probe type:

Thermowell AISI 316L

Process connection:

1/8" straight gas male thread in accordance to UNI ISO 228

Connection:

M12x1 male in accordance to VDE0627 (output connection)

Sensor:

RTD Pt100 class A in accordance to IEC751

Range: -50 ÷ 110°C (see Tmax/Tenv graph)

Tmax. Electronic: 80°C

Sensor break monitoring:

Selectable:

Upscale (>21.0 mA) or Downscale (<3.6 mA) action

Sensor short-circuit:

Fixed to Downscale (<3.6 mA) action

Output:

Signal: 4 ÷ 20mA

Permissible load: 700Ω @ 24Vdc [RLo = (Vsupply-8,5)/0,020]

Response time (90%): <50ms

Isolation In - Out:

Non-isolated

Power supply:

8,5 ÷ 32Vdc (polarity protected)

CODE TO ORDER:

EVOMINI+TP#		M	X
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1/8" GAS CIL L= 13mm	1
1/8" GAS CIL L= 24mm	2

Process connection and length L= (mm)

EXTENSION CABLE:

PRV #		AG	C	XXX
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3M	3000
8M	8000
12M	M120

Environment conditions:

Temperature: -40 ÷ 80°C (for plastic body)

Relative Humidity: 0 ÷ 100%

EMC: in accordance to EN 61326

Degree of protection:

IP65 and IP67 in accordance to IEC60529

Accuracy:

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

Sensor: class A in accordance to IEC751

Temperature influence (Deviation from 20 °C):

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

Supply voltage influence:

Negligible

Range configurations:

It is possible set the input temperature range (span) by the EVOMINI+SET configuration kit (it is needed a PC with OS Windows).

Zero adjustments: any value between -50°C to +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)

Factory setting:

0 ÷ 100°C / sensor break >21 mA (Upscale)

Response time:

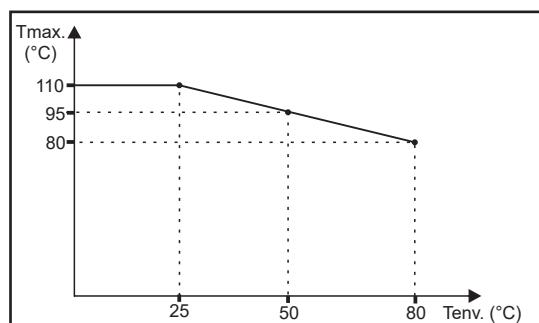
<3,5 sec. (Test in water to IEC751- time for reaching 63,2% of thermal gap)

Option:

On request, adjustment on 1 or 2 points

Extension cable with overmoulded M12 connector (IP67).

Length available on stock: 3/ 8 / 12 m (others lengths on request)



Note: The shown executions can be produced upon request for a minimum quantity to be order. We reserve the right for technical modifications without prior notice.