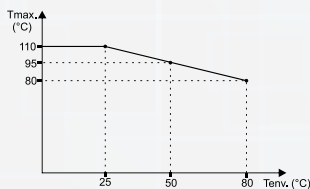
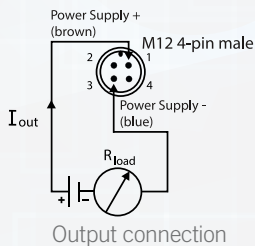
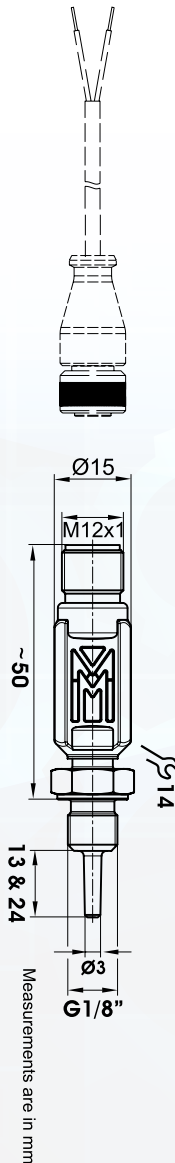


COMPACT EVOMINI +

COMPACT AND PROGRAMMABLE TEMPERATURE SENSOR WITH 4-20mA OUTPUT

Compact temperature transmitter with PCPROGRAMMABLE 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.



TECHNICAL CHARACTERISTICS:

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)
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) between -50°C to 800°C 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 >21mA (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

Order code from stock:

EVOMINI+TP # **M** **X**

1/8" GAS CIL L= 13mm	1
1/8" GAS CIL L= 24mm	2

Process connection and length L= (mm)