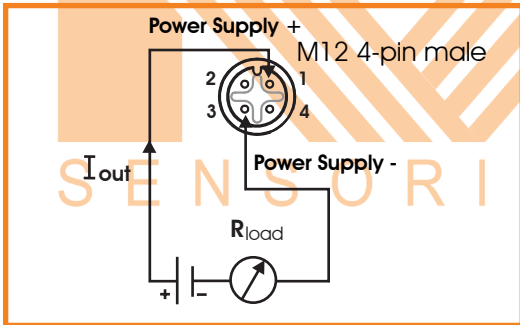
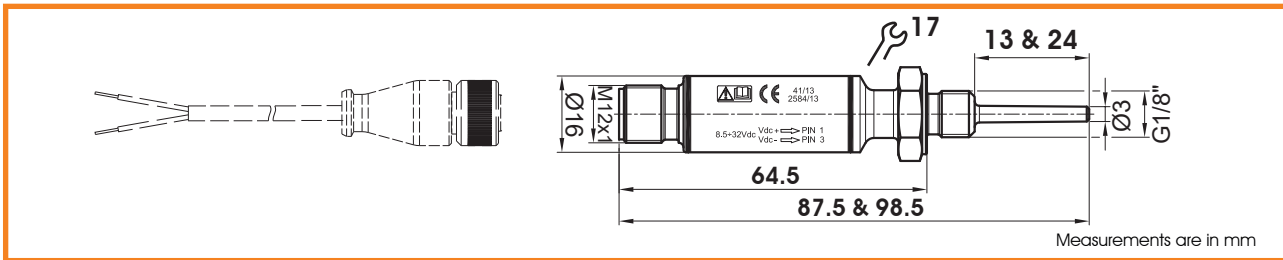


Compact temperature transmitter completely stainless steel, with M12 male thread connector (IP67), 4-20mA output, PC-programmable range, 1/8" straight gas male thread process connection. Suitable for measurement in fluids up to 120°C.

**Output connection**



GRUPPO ITALCOPPIE  
**EVOMINI + TM**  
**COMPACT AND PROGRAMMABLE**  
**TEMPERATURE TRANSMITTER**  
**WITH METALLIC BODY AND 4-20mA OUTPUT**



**TECHNICAL DATA**

**Body:**

Stainless steel AISI 316L

**Stem dimensions:**

Length: 13mm & 24mm  
 Diameter: Ø3mm

**Probe type:**

Thermowell AISI 316L s.s.

**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 ÷ 120°C (see below graph Tmax / Tenv.)  
 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 electronic part)  
 Relative Humidity: 0 ÷ 100%  
 Vibrations: in accordance to IEC 68-2-6, test Fc, 84-2000Hz, 10g  
 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)

**CODE TO ORDER:**

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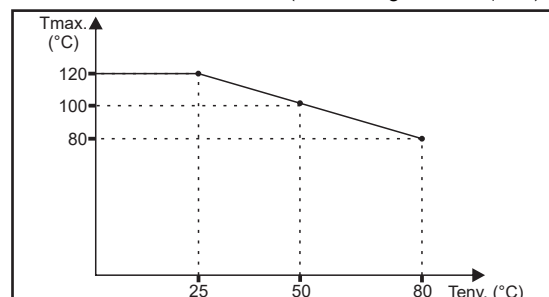
1/8" GAS CIL L= 13mm	1
1/8" GAS CIL L= 24mm	2

Process connection and length L= (mm)

**EXTENSION CABLE:**

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



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.