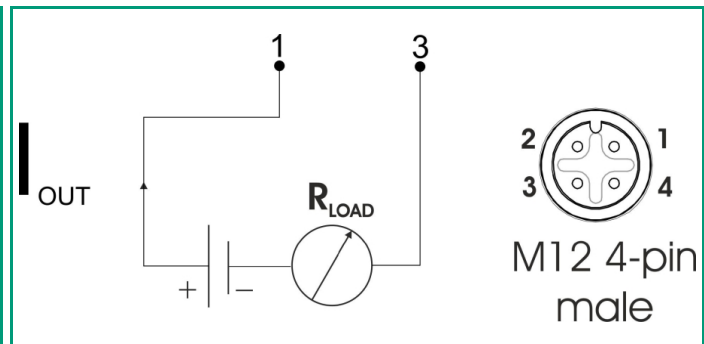
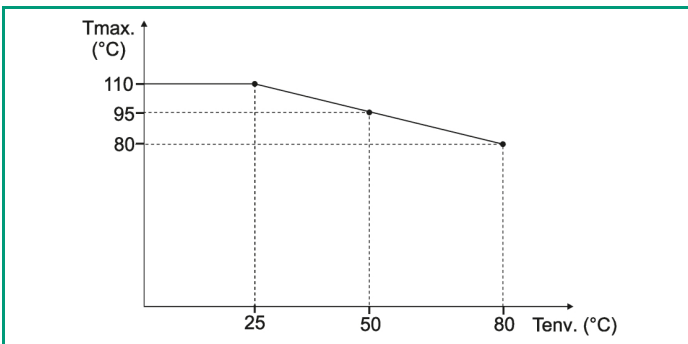
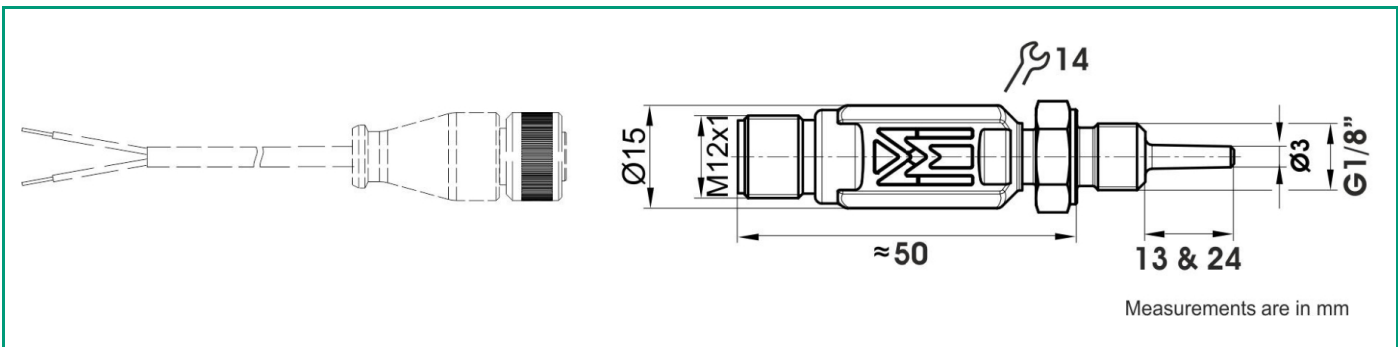


EVOMINI T

4 ÷ 20mA compact temperature transmitter

This device can be a reliable alternative to common assemblies with connection head. Then moulded connector allow easy installation



TECHNICAL SPECIFICATION

Supply voltage	10 ÷ 28 Vcc (polarity protected)
Accuracy	≤ ±0.3°C
Effect of temperature (*) (*) deviation from 20°C	Maximum value between ±0,3°C/25°C and ±0,3% of span/25°C
Permitted load	636 Ω @ 24 Vdc [RLΩ= (Vsupply - 10) / 0,022]
Sensor failure signalling	upper scale (> 21.0 mA) downscale (< 3.6 mA) action
Sensor short circuit signalling	Fixed at lower limit of range (< 3.6 mA)
Factory default	ranges available: 0 ÷ 100 °C -50 ÷ 50 °C Other configurations on request
Effect of power supply	Negligible
PCB operating temperature	-40 ÷ 80°C
EMC	According to EN 61326-1:2013
Sensing element operating temperature range	-50 ÷ 110°C
Sensing element	Pt1000 Ω @ 0°C
Accuracy class in accordance to IEC751 (*) (*) Pt 100 cl.A only available with 3 or 4 wires, cl.AA 4 wires only; Pt 1000 cl. A available with 2 wires only for cable lengths below 1 m, for longer cables only available with 3 or 4 wires, cl. AA 3 wires for cable lengths below 1 m, for longer cables only 4 wires.	cl. A
Sheath diameter d= (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	Ø 3,5 tapered conic to Ø 3 mm, Response time < 3,5 seconds(*)
Sheet material	AISI 316
Insulation resistance	100 M Ω @ 100 Vdc.
Stem length L	13 mm 24 mm
Type of connector	male 4-pin connector with M12x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS)
Connection body material	THERMOPLASTIC
Fixing system	threaded connection
Process connection (*) (*) Thread STANDARDS (CYL. GAS in accordance with UNI-ISO 228) (CON. GAS in accordance with UNI-ISO 7-1) (NPT in accordance with ANSI B 1.20.1)	1/8" GAS CIL. sec. UNI-ISO 228 1/8" NPT 1/4" NPT
Maximum working pressure	PN 40 BAR
Marking	Stating production batch, pin-out and power supply range
International protection marking (*) (*) According to IEC 60529	IP65/67