

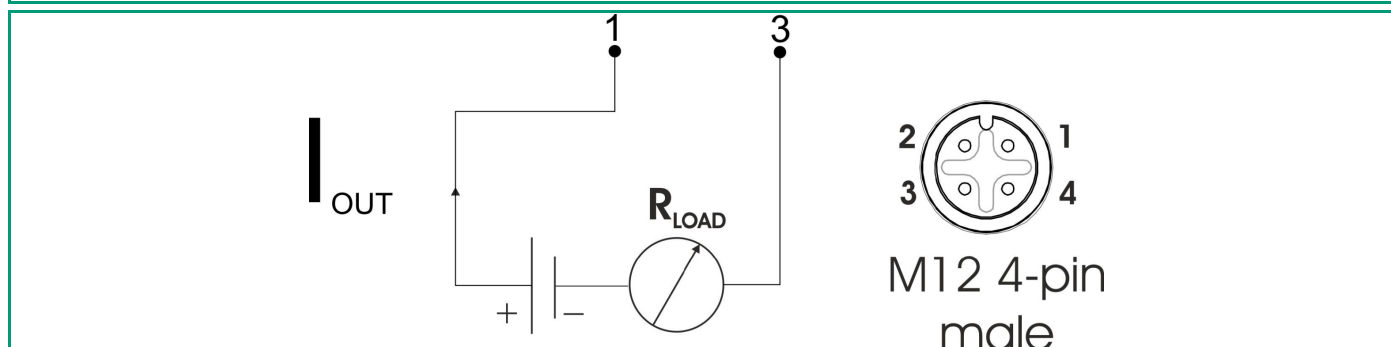
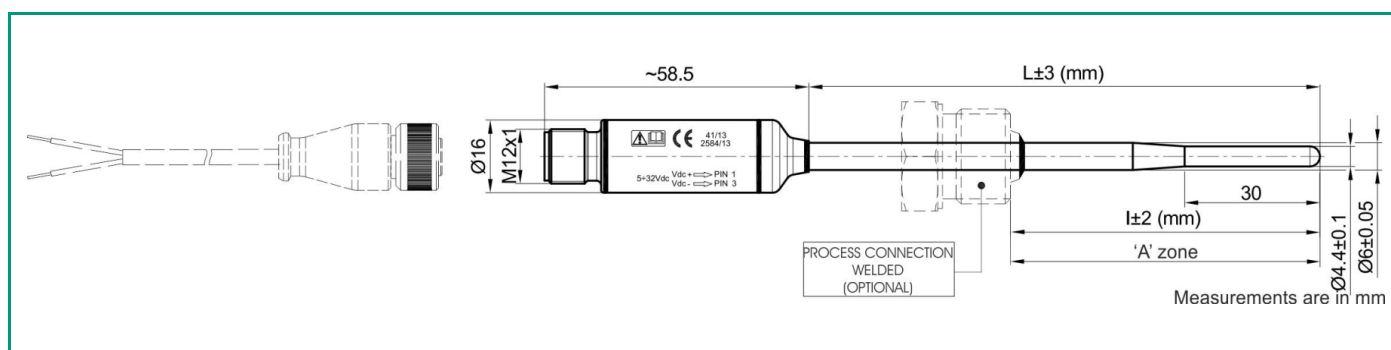
# EVOMINI F

4÷20mA temperature transmitter with tapered stem, metallic body and fixed range

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

It is possible to weld on the stem different type of process connections.

This device is very useful in food, chemical and pharmaceutical industry.



## TECHNICAL SPECIFICATION

Power supply	10 ÷ 28 Vcc (polarity protected)
Accuracy (*) (*) @25°C	≤ ±0.3°C
Response time of electronics section	<50 ms
Temperature influence (*) (*) 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]
Output signal type	4÷20 mA
Sensor failure signalling	upper scale (> 21.0 mA) downscale (< 3.6 mA)
Sensor short circuit signalling	Fixed at lower limit of range (< 3.6 mA)
Effect of power supply	Negligible
Electronic board operating temperature	-40 ÷ 80°C
EMC	In accordance to EN 61326-1:2013 (CE) In accordance to BS EN 61326-1:2013 (UKCA)
Measurement range	-50 ÷ 350°C
Connection body material	AISI 316
Type of connector	male 4-pin connector with M12x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS)
Stem length L	150 mm Other lengths on request
Dimensional notes	Lengths other than those listed can be produced for minimum quantities to be agreed (after our feasibility study)
Immersion l	100 mm other immersion lengths on request
Response time (*) (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	< 5 seconds
Sheath diameter d	Ø6 tapered a Ø4.4
Insulation resistance	100 M Ω @ 100 Vdc.
Sensing element	Pt1000 Ω @ 0°C
Accuracy class in accordance to IEC751 (*) (*) The accuracy class is valid only in the temperature range indicated by the norm	cl. A
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)	male thread G 1/2" UNI ISO 228 1/2" NPT 1/4" GAS CIL 1/4" NPT CLAMP 3/4" CLAMP 1 1/2" DIN11851 DN25
International protection marking (*) (*) According to IEC 60529	IP65/67
Factory default	ranges available: 0 ÷ 100 °C 0 ÷ 150 °C 0 ÷ 300 °C -50 ÷ 150 °C -50 ÷ 100 °C -50 ÷ 50 °C Other configurations on request
Marking	Stating production batch, pin-out and power supply range