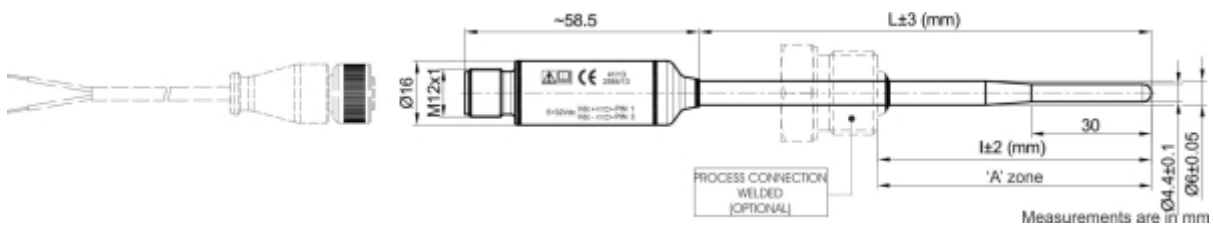
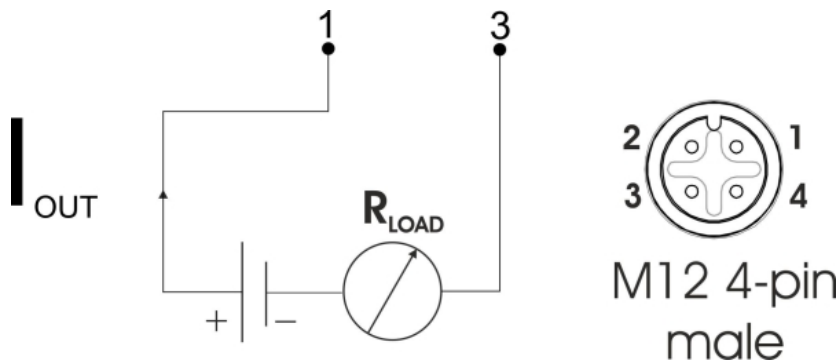


EvominiX F

Compact programmable temperature transmitter with metallic body and Ø6mm stem tapered to 4.4mm

4-20 mA output

PC-configurable temperature transmitter with integrated probe in a single stainless steel device. Different type of process connections can be welded on the system. It comes in a metallic IP67 body with M12 output connection. It is particularly suited for food, chemical and pharmaceutical industry.



PCB operating temperature	-40 ÷85°C
Operating humidity	0 ÷100%
EMC	According EN 61326
Supply voltage	5 ÷32 Vdc (polarity protected)
Input/Output insulation	None
Electronic board input	4-wire RTD Pt100
PCB input range	From -50°C to +500°C
Signal	4÷20 mA 20÷4 mA
Permitted load	860Ω @ 24 Vdc [Rload= (Vsupply. - 5) / 0.022]
Sensor break or short-circuit monitoring	According to NAMUR NE43, selectable between: Upper scale (> 21.0 mA) Lower scale (< 3,6 mA)
Accuracy	Maximum value between ±0.1°C and ±0.1% of span
Effect of temperature (*)	Maximum value between ±0,3°C/25°C and ±0,3% of span/25°C
Long-term stability	Maximum 0.1% of span per year
Linear error	Negligible
Range configurations	It is possible set the device by EVOMINI SET configuration kit (it is needed a PC with OS Windows).
Minimum span	20°C
Sensor error compensation	(±5°C) over two points
Sensor input signal filter	Configurable from 0.4 to 9.4 seconds
Factory default	(4÷20)mA output Range (0÷150)°C Sensor break >21mA Sensor short-circuit <3.6mA
Pressione barometrica massima d' esercizio elemento sensibile	100bar Max. ('A' zone)
Ambient tightness degree (*) (*) in accordance with IEC 60529	IP65/67
Connection body material	AISI 316L Stainless Steel
Sensor construction type	Stainless steel AISI 316L
Stem length L=	150 mm Other lenghts availabloe on request
Thermowell rod	Ø 6 mm with tapered tip Ø 4.4 mm
Weight	45g
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)	1/4" GAS CIL 1/4" NPT male thread G 1/2"UNI ISO 228 1/2" NPT CLAMP 3/4" CLAMP 1 1/2" DIN11851 DN25
Terminal electrical connection	4-pin male connector with M12x1 screw lock
Pt100 sensor accuracy	Class A up to 300°C according to IEC 751
Response time	<5s (according to IEC 751)
Marking	Stating symbol "SEE MANUAL", marking symbol "CE", part number, Week / Year of production, power supply range, pinout and serial number
Option	On request adjustment on 1 or 2 points Extension cable in TPE with overmolded M12 connector (IP67). Available cable lengths: (3, 8 or 12)m (others on request)