

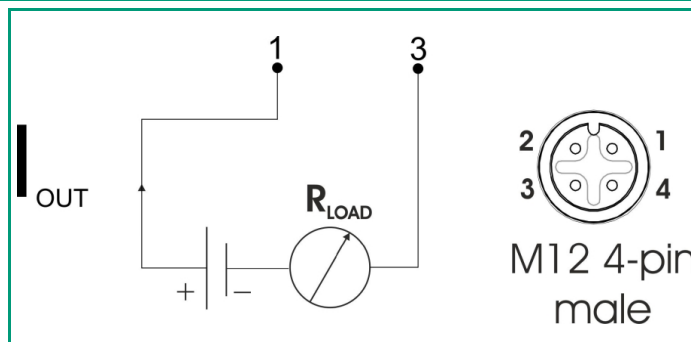
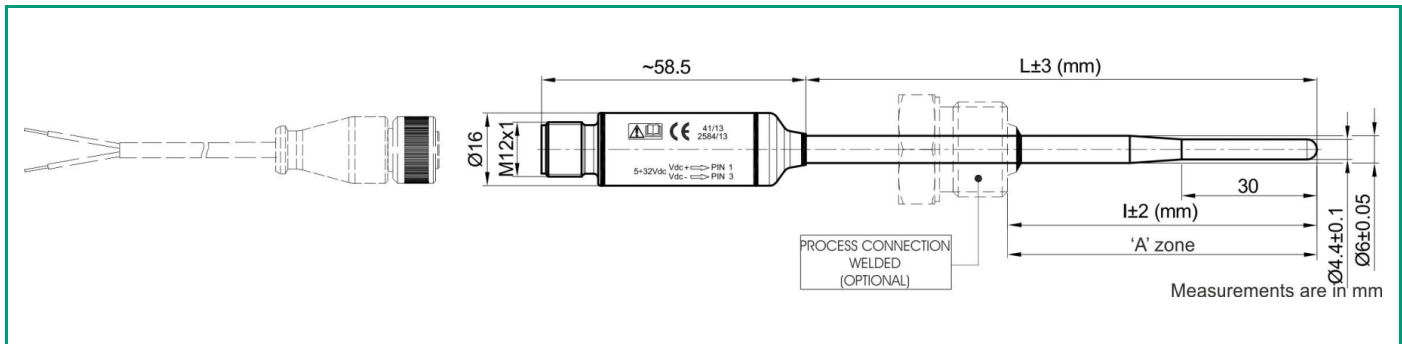
**EVOXF**

Rev. 3 - 19/01/2023

**EvominiX F**

4÷20mA programmable temperature transmitter with metallic body and Ø6mm stem tapered to 4.4mm

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.



## TECHNICAL SPECIFICATION

Electronic board operating temperature	-40 +85°C
Operating humidity	0 ÷100%
Power supply	5.5 ÷32 Vdc (polarity protected)
Input/Output insulation	None
Sensor input signal filter (*) (*) time to reach 90% of signal	Configurable from 0.4 to 9.4 seconds
Signal	4÷20 mA 20÷4 mA
Permitted load	840Ω @ 24 Vdc [Rload= (Vsupply. - 5.5) / 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 (*) (*) @25°C	Maximum value between ±0.1K and ±0.1% of span
Temperature influence (*) (*) deviation from 20°C	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
EMC	In accordance to EN 61326-1:2013 (CE) In accordance to BS EN 61326-1:2013 (UKCA)
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
Measurement range	-50 ÷500°C
Maximum working barometric pressure of the sensing element	100bar Max. ('A' zone)
International protection marking (*) (*) According to IEC 60529	IP67
Connection body material	AISI 316L Stainless Steel
Sheet material	AISI 316L
Stem length L	150 mm Other lenghts availabloe on request
Sheath diameter d	Ø6 tapered a Ø4.4
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
Type of connector	male 4-pin connector with M12x1 metal screw lock (in accordance with IEC 61076-2-101 STANDARDS)
Pt100 sensor accuracy	Class A up to 300°C according to IEC 751
Response time	<5s (according to IEC 751)
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)
Factory default	Range (0÷150)°C (4÷20)mA output Sensor break >21mA Sensor short-circuit <3.6mA
Weight	45g

## ORDER CODES

EVOXF#		X				C* <sup>1</sup>	0150* <sup>2</sup>		0100* <sup>3</sup>	XX
<b>Output</b>		<b>Min. range*</b>	<b>Max range*</b>	<b>Probe break</b>	<b>S/C probe</b>	<b>Process connection</b>				
4÷20mA <b>M</b>	0 <b>000</b>	150 <b>+150</b>	Out 21mA <b>X</b>	Out 3,6mA <b>X</b>	1/4" GAS CIL <b>AD</b>					
20÷4mA <b>I</b>	* Other range on request Ex. negative value		Out 3,6mA <b>B</b>	Out 21mA <b>A</b>	1/4" NPT <b>AF</b>					
	-20 <b>M20</b>				1/2" GAS CIL <b>AL</b>					
					1/2" NPT <b>AN</b>					
					CLAMP 3/4" <b>D1</b>					
					CLAMP 1 1/2" <b>D2</b>					
					DIN11851 DN25 <b>D3</b>					

\*<sup>1</sup> ATX tube, Ø6 mm tapered to Ø4,4 mm (d=mm)

\*<sup>2</sup> Length (L=mm). Others lengths on request

\*<sup>3</sup> Immersions (l=mm). Others lengths on request



株式会社 **クローネ**

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■ 製品のデザイン、仕様等などは、予告なく変更する場合があります。

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