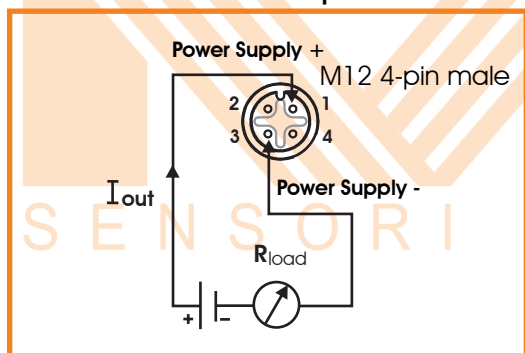


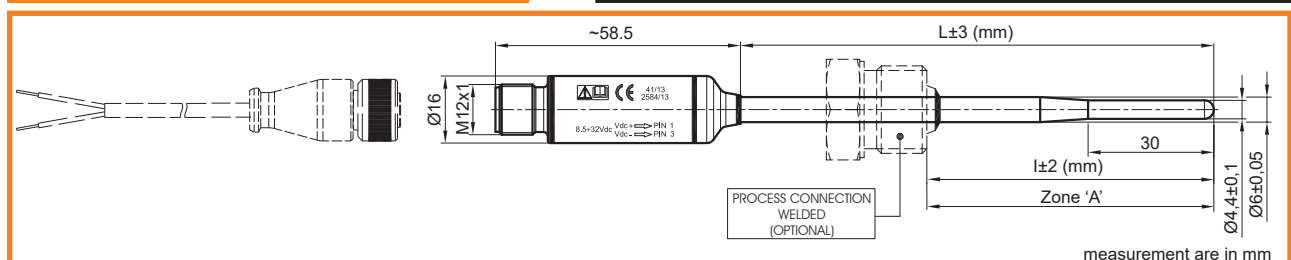
Transmitter and probe are integrated in one only device; it is possible to weld on the stem different type of process connections. This device is very useful in food, chemical and pharmaceutical industry.

Output connection



EVOMINI + F

COMPACT AND PROGRAMMABLE TEMPERATURE TRANSMITTER WITH METALLIC BODY, Ø6mm STEM TAPERED TO 4,4mm AND 4-20mA OUTPUT



TECHNICAL DATA

Body:

Stainless steel AISI 316L

Stem dimensions:

Length: 150mm (other lengths available on request)
Diameter: Ø6mm tapered to Ø4.4mm

Probe type:

Stainless steel AISI 316L

Process connection:

Different types of process connections available

Connection:

M12x1 male in accordance to VDE0627 (output connection)

Sensor:

RTD Pt100 class A up to 300°C in accordance to IEC751
Range: -50÷500°C
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%
Operative pressure: 100bar max (Ref. Zone «A»)
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 to 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)

Response time:

<5 sec (Test in water to IEC751 - time for reaching 63,2% of thermal gap)

Factory setting:

0÷150°C / sensor break >21 mA (Upscale)

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+F#	M	C	0150*		0100*	X
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*Other lengths available on request

Ø6mm tapered to
Ø4.4mm
Diameter d= (mm)

150mm
Length L= (mm)

1/4" GAS CIL	AD
1/4" NPT	AF
1/2" GAS CIL	AL
1/2" NPT	AN
CLAMP 3/4"	D1
CLAMP 1 1/2"	D2
DIN11851 DN25	D3

100mm
Immersion l= (mm)

EXTENSION CABLE:

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

Process connections

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.