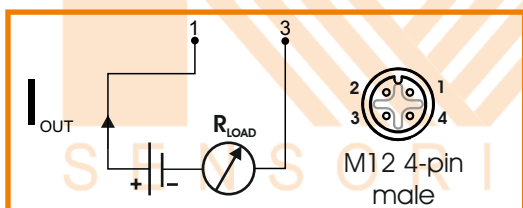


PC-configurable compact temperature transmitter with integrated probe and 1/8" cylinder GAS male process connection. It comes in a robust IP67 casing with M12 output connection. It is particularly suited for measurements in fluids up to 110°C.

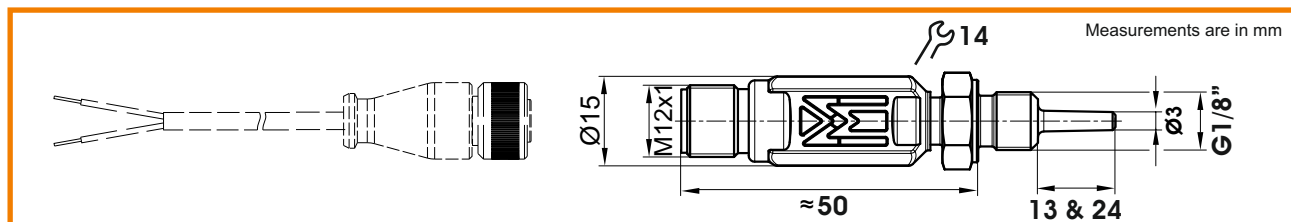
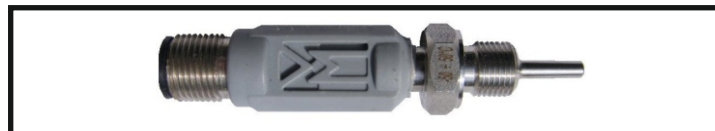
Output connection



EvominiX TP

COMPACT AND PROGRAMMABLE 4-20 mA TEMPERATURE TRANSMITTER

ISO 9001:2000



TECHNICAL SPECIFICATIONS

Environmental conditions:

Operating temperature: -40°C to +85°C
Relative humidity: 0 to 100 %
Protection class: IP65 and IP67 according to EN 60529
EMC: according to EN 61326

Mechanical specifications:

Body: thermoplastic
Probe: thermowell AISI 316L
Stem length: 13mm and 24mm
Stem diameter: Ø3mm
Weight: 20g (L=13mm); 21g (L=24mm)
Process connection: 1/8" male connection according to UNI ISO 228
Output connection: M12x1 male according to EN 61984 (VDE 0627)

Electrical specifications:

Power supply (Vdc): 5V to 32V (polarity protected)
Isolation: Unisolated

Input:

Sensor: 4-wire Pt100 class A up to 300°C according to IEC751
Temperature range: from -50°C to +110°C (see Tmax/Tamb curve)

Output:

Signal: 4-20 mA or 20-4 mA
Response time(63%): <3.5s (according to IEC 751)
Permissible load: 860Ω@24Vdc [Rload=(Vsupply-5)/0.022]

Sensor error indication (break and short circuit):

Selectable according to NAMUR NE43: upscale (>21mA) or downscale (<3.6mA) action

Accuracy and stability:

Accuracy: Max. of ±0.1°C or ±0.1% of span
Temperature drift (deviation from 20°C): Max. of ±0.3°C per 25°C or ±0.3% of span per 25°C
Long-term stability: ±0.1% of span per year
Supply voltage effect: negligible
Linear error: negligible

Range configurations:

PC-Programmable (Win OS required) by using EVOMINI SET configuration kit
Measuring range limits: -50°C to +110°C
Minimum span: 20°C
Sensor error compensation: ±5°C (2 points compensation)
Input filter: configurable from 0.4s to 9.4s

Factory settings:

4-20 mA output, 0°C to +100°C meas. range, sensor break >21mA, sensor short-circuit <3.6mA

Options:

1 or 2 points calibration (on request)
Extension cable in TPE with overmolded M12 connector (IP67)
Available cable lengths: (3, 8 or 12)m (others on request)

ORDER CODE:

EvoXTP#			X					XX
1	1/8" GAS CIL. L=13mm	M	4÷20 mA	000	0	100	+100	X Out 21 mA
2	1/8" GAS CIL. L=24mm	I	20÷4 mA					B Out 3.6 mA
5	1/8" NPT L=13mm							A Out 21 mA
6	1/8" NPT L=24mm							
	Process connection		Output		min. range		Max. range	Probe break
					Ex. negative range			S/C probe
					M20	-20		

EXTENSION CABLES:

PRV #		AG		XXX
3M	3000	C	M12 Straight	
8M	8000	D	M12 Elbow	
12M	M120			

