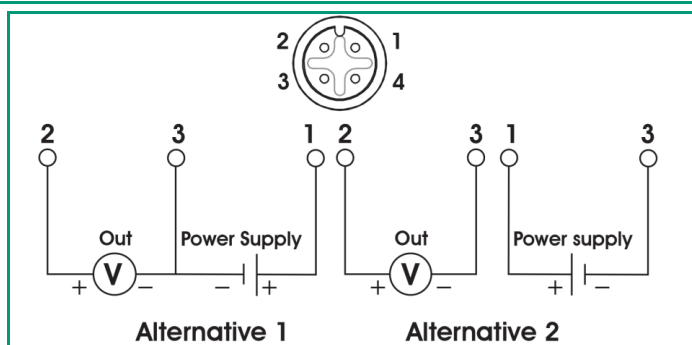
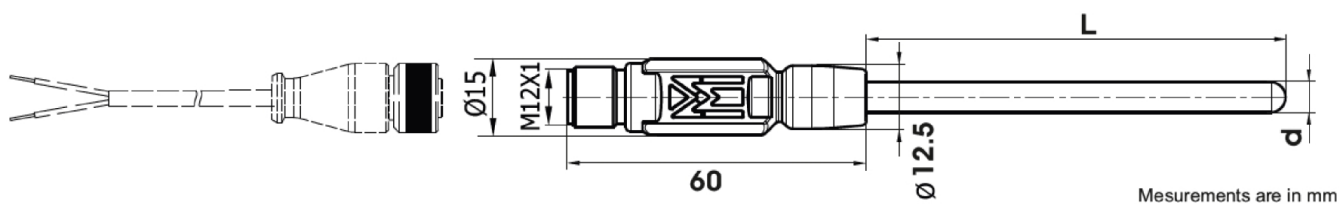


# EVOMINIV MIC

## 0 ÷ 10 V temperature transmitter

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



## TECHNICAL SPECIFICATION

Power supply	20 ÷ 28 Vcc (polarity protected)
Accuracy (*) (*) @25°C	maximum value between ±0.2 °C and ±0.2% of range set
Response time of electronics section	<50 ms
Temperature influence (*) (*) deviation from 20°C	maximum value between ±0.15 °C/ 25 °C and ±0.15% of range
Permitted load	10 Kohm
Output signal type	0÷10 V
Sensor failure signalling	upscale (> 10,5 V) action downscale (0 V) action
Sensor short circuit signalling	fixed to downscale (0 V) action
Factory default	ranges available: 0 ÷ 100 °C 0 ÷ 150 °C 0 ÷ 300 °C -50 ÷ 150 °C Range (-50 ÷ 100) °C -50 ÷ 50 °C Other configurations on request
Effect of power supply	Negligible
Electronic board operating temperature	-40 ÷ 80°C
EMC	According to EN 61326-1:2013
FCM Prescriptions	Before the use is required to wash the food contact areas
Contact food type	all the foods
Materials in contact with food	AISI 316L
Type of contact	continuous
Area suitable for contact	stem for a maximum length of 1 m (measured from the tip)
Contact food temperature range	-40 ÷ 150°C
Measurement range	-50 ÷ 350°C
Connection body material	THERMOPLASTIC
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 250 mm 350 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)
Response time (*) (*) test in water in accordance with IEC 751. Time taken to reach 63.2% of temperature step	less than 3.5 seconds for Ø 3 mm and less than 13 seconds for diameter Ø 6 mm
Sheath diameter d	Ø 3 mm Ø 3.17 mm Ø 6 mm Ø 6.35 mm
Sheet material	AISI 316
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
M.I.C. min. bending radius	3 times the outer diameter (except the sensing tip which length is ~30 mm)
Insulation resistance	100 M Ω @ 100 Vdc.
International protection marking (*) (*) According to IEC 60529	IP65/67
Marking	Stating production batch, pin-out and power supply range