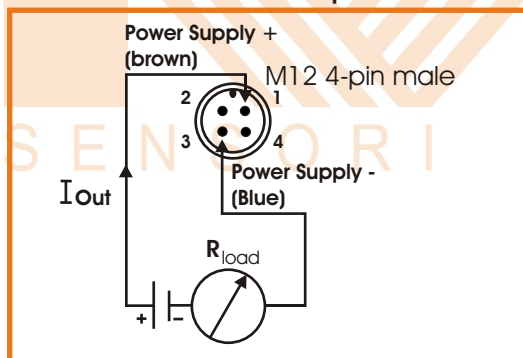


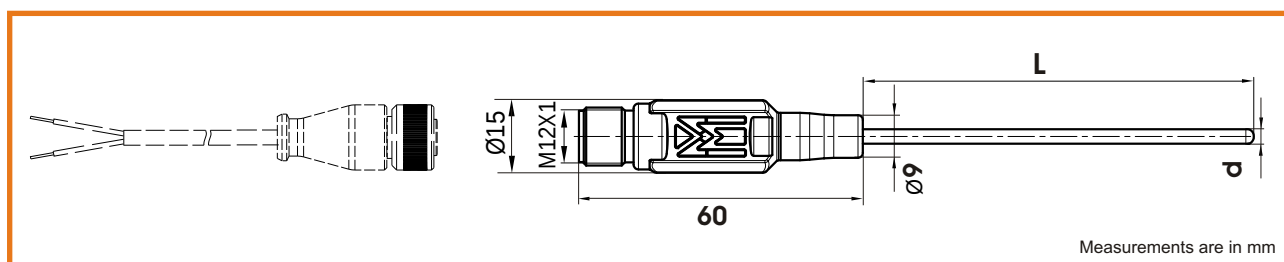
Temperature transmitter with mineral insulated cable probe (MgO), moulded on connector (IP67) with M12 thread and 4-20mA output. This device can be a reliable alternative to common assemblies with connection head.

Output connection



M.I.C. EVOMINI

TEMPERATURE TRANSMITTER WITH MINERAL INSULATED CABLE PROBE AND 4-20mA OUTPUT



TECHNICAL DATA

Body:

Thermoplastic material

Stem dimensions:

Length: 150mm & 250mm (other lengths available on request)
Diameter: Ø3mm & Ø6mm

Probe type:

Compact mineral insulated cable AISI 316L s.s.

Probe minimum bending radius:

Three-times the outer diameter
(except the sensing tip which length is 30mm)

Connection:

M12x1 male in accordance to VDE0627 (output connection)

Sensor:

RTD Pt1000 class A up to 300°C in accordance to IEC751
Range: -50÷500°C
Tmax. electronic: 80°C

Sensor break monitoring:

Upscale (>21.0mA) action
Downscale (<3.6mA) action

Sensor short-circuit:

Fixed to Downscale (<3.6 mA) action

Output:

Signal: 4÷20mA (20÷4mA on request)
Permissible load: 700Ω @ 24Vdc [R_{Lo} = (V_{supply}-10)/0,020]
Response time (90%): <50ms

Isolation In - Out:

Non-isolated

Power supply:

10÷24Vdc (polarity protected)

Environment conditions:

Temperature: -40÷80°C (for plastic body)
Relative Humidity: 0÷100%
EMC: in accordance to EN 61326

Degree of protection:

IP65 and IP67 in accordance to IEC60529

Accuracy:

Transmitter: ≤0,3°C
Sensor: class A in accordance to IEC751

Temperature influence (Deviation from 20 °C):

Max. of ±0,3°C / 25°C or ±0,3% of span / 25°C

Supply voltage influence:

Negligible

Available configurations on stock:

0÷100°C / 0÷150°C / 0÷300°C / -50÷150°C / -50÷100°C
-50÷50°C (other configurations available on request)

Response time:

Diameter 3mm <3,5 sec., diameter 6mm <13sec. (Test in water to IEC751 - time for reaching 63,2% of thermal gap)

CODE TO ORDER:

EVOMINI #	M			X	
		Ø 3 -3-- Ø 6 -6--	100 0100 150 0150 250 0250 350 0350 500 0500 750 0750 1000 1000		0÷100 000100 0÷150 000150 0÷300 000300 -50÷100 M50100 -50÷150 M50150 -50÷50 M50050
		Diameter d= (mm)	Length L= (mm)		Range (°C)

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.

EVMO1UK - REV 0
MAY 2012