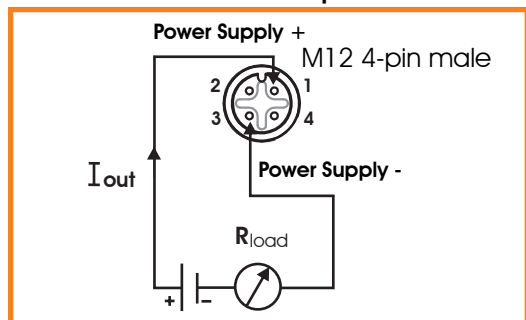


Temperature transmitter with PC-PROGRAMMABLE range. The integrated connections allow to mount the transmitter directly on the sensor. This device it is compatible with TRM and TRC series.

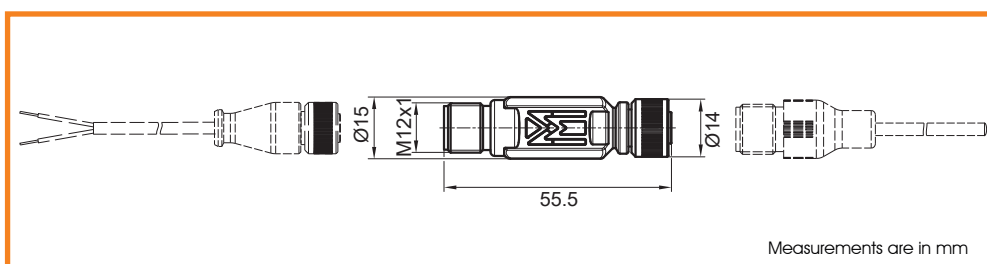
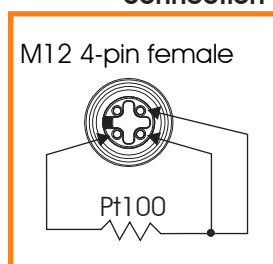
# EVOMINI+ TRANSMITTER

## PROGRAMMABLE TEMPERATURE TRANSMITTER WITH INTEGRATED M12 CONNECTORS AND 4-20mA OUTPUT

Output connection



Input sensor connection



### TECHNICAL DATA

**Body:**

Thermoplastic material

**Probe type:**

Connection compatible with RTD's TRM and TRC series

**Connection:**

M12x1 male in accordance to VDE0627 (output connection)  
M12x1 female in accordance to VDE0627 (input connection Pt100)

**Sensor:**

RTD Pt100 ( = 0,00385) 3 wire connection  
Range: -50 ÷ 800°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 plastic body)  
Relative Humidity: 0 ÷ 100%  
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:**

Max. value between ±0,2°C and ±0,2% of span

**Temperature influence (Deviation from 20 °C):**

Max. value between ±0,3°C / 25°C and ±0,3% of span / 25°C

**Sensor wire influence:**

Negligible, with equal wire resistance

**Supply voltage influence:**

Negligible

**Range configurations:**

It is possible set the input temperature range (span) between -50°C to 800°C 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)

**Factory setting:**

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

**Option:**

Extension cable with overmoulded M12 connector (IP67).  
Lenght available on stock: 3/ 8 / 12 m (others lenghts on request)

CODE TO ORDER:

EVOMINI+C#	R	M	X
------------	---	---	---

EXTENSION CABLE:

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