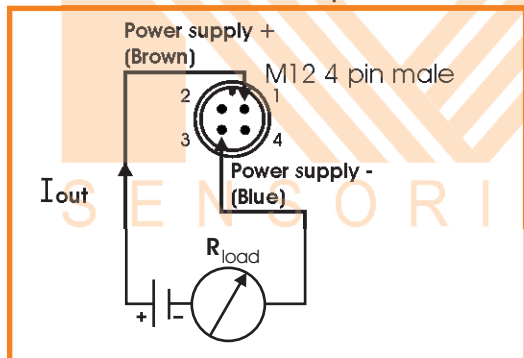Programmable temperature transmitter OEM version, with stainless steel body, M12 male thread connector and input with wires for simply sensor connection. To be used as a component in a customized probes.
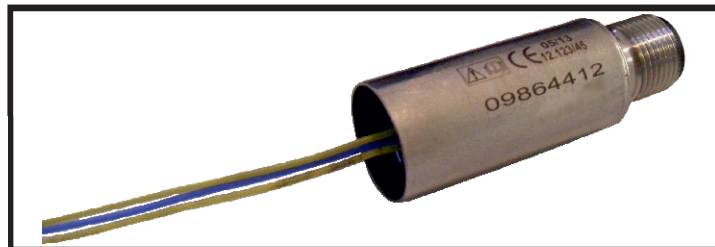
# EVOMINI+W
## PROGRAMMABLE TEMPERATURE TRANSMITTER OEM VERSION WITH 4-20mA OUTPUT

ISO 9001:2000

EVOMINI+

### Output connection

Power supply + (Brown)
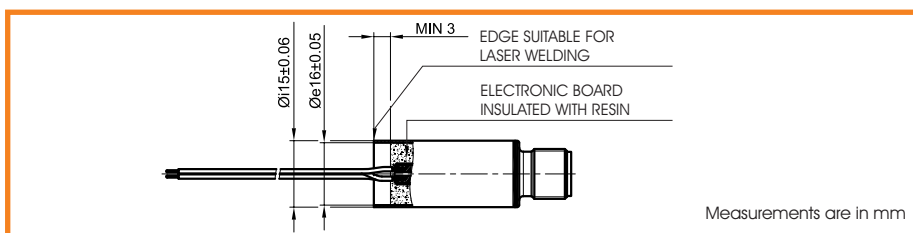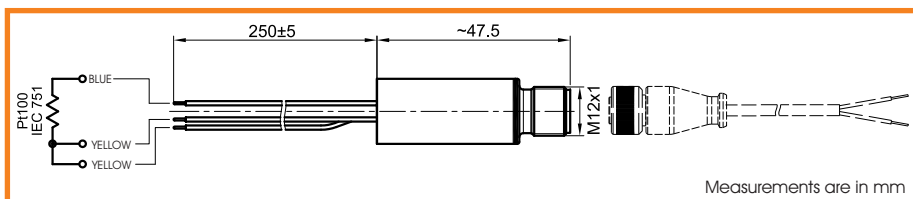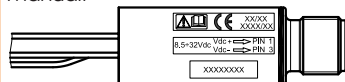
M12 4 pin male

2 1
3 4

Power supply - (Blue)

I out

R load



### Device marking

The device marking includes:
- Symbol «SEE MANUAL»;
- Marking symbol «CE»;
- Batch production number (CPI);
- Week / Year production;
- Power supply range (8.5÷32Vdc)
- Pin out
- Serial number electronic device.

For all others data see the user's manual.

8,5÷32Vdc Vdc + → PIN 1
Vdc - → PIN 3
XXXXX
XXXXXX
XXXXXXXX

250±5       ~47.5

Pt100 IEC751
BLUE
YELLOW
YELLOW

M12x1

Measurements are in mm

Ø15±0.06
Øe16±0.05
MIN 3

EDGE SUITABLE FOR LASER WELDING

ELECTRONIC BOARD INSULATED WITH RESIN

Measurements are in mm

## TECNICHAL DATA

**Body:**
Stainless stell AISI316L

**Connection:**
M12x1 male in accordance to VDE0627 (output connection)

**Input:**
Pt100 in accordance to IEC751

**Sensor current:**
~ 0,5mA

**Max resistance of sensor wire:**
20Ω / wire

**Sensor break monitoring:**
Selectable:
Upscale (>21,0mA) or Downscale (<3,6mA) action

**Sensor short - cicuit:**
Fixed to downscale (<3,6mA) action

**Output:**
Signal: 4÷20mA
Permissible load: 700Ω @ 24Vdc [RLo=(Vsupply-8,5)/0,022]
Response time (90%): <50ms

**Isolation In - Out:**
Non - isolated

**Power supply:**
8,5÷32Vcc (polarity protected)

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

**Enviroment and stocking conditions*:**
Operating temperature: -40÷80°C (for electronic part)
Relative humidity: 0÷100%
EMC: in accordance to EN 61326
*during the assembly / soldering operations,the temperature of the metal body, must be keep within the operating temperature range.

**Temperature influence (deviation from 20°C):**
Max. value between ±0,3°C / 25°C and ±0,3% span / 25°C

**Supply voltage influence:**
Negligible

**Range configurations (measuring range):**
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 >21mA (Upscale).

**Option:**
Configuration Kit with USB interface EVOMINI+SET.

**Packaging:**
The package includes italian and english user's manual.

## CODE TO ORDER:

EVOMINI+W

GRUPPO ITALCOPPIE
italcoppie
SENSORI