# PT100 to 4-20 mA converter on M12 connector EvominiX C

Programmable temperature converter for PT100 and PT1000
Output 4...20 mA, molded IP67 enclosure, M12 connectors



**KEY FEATURES**

- Direct mounting on the probe
- Precision and stability
- Configuration on PC

## Description

The EvominiX C from Italcoppie is a programmable signal converter for PT100 and PT1000 probes, housed in an IP67 overmolded enclosure with M12 connectors at both ends. It is mounted directly on the probe and converts the measurement into a 4...20 mA signal, without a connection head or module in the cabinet.

### Direct mounting on the probe

On the input side, the EvominiX C is connected to a M12 connector probe, like the TRM and TRC series from Italcoppie. On the output side, a standard M12 cable carries the 4...20 mA signal to the automation system or controller.

### Precision and stability

The accuracy reaches ±0.1 °C or ±0.1% of the scale, with possible compensation of the sensor error in 2 points.

### Configuration on PC

The measurement range, signal sense and behavior in the event of a sensor failure are configured on a PC with the EVOMINI SET kit. The detection of a break and short circuit follows the NAMUR NE43 recommendation.

## Typical applications

- Transmission 4...20 mA over long distances
- Replacement of connection heads with transmitters
- Machines with standardized M12 wiring
- Upgrading of existing PT100 probes


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## Technical specifications

| | |
|---|---|
| Series | EVOXC |
| Entrance | PT100 or PT1000 ( 0.00385), 2, 3 or 4 wires |
| Measurement limits | -200 to 850 °C, min. scale 20 °C |
| Precision | ±0.1 °C or ±0.1% of the scale |
| Outtake | 4...20 mA or 20...4 mA, sensor failure according to NAMUR NE43 |
| Response time | < 300 ms |
| Nutrition | 5 to 32 VDC, protected against polarity inversion |
| Configuration | PC running Windows, EVOMINI KIT SET |
| Ambient temperature | -40 to 85 °C |
| Protection index | IP65 / IP67 |
| Case | Overwhelmed |
| Connections | M12 female (probe) and M12 male (output) |

### Technical advice and quote

DYNATIME SA distributes this product in Switzerland from Marin (NE). Our team helps you choose the right version for your application and sends you a quote quickly.
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