



# TEMPERATURE SENSORS AND TRANSDUCERS FOR Pt100 Pt1000 WITH 4-20mA OUTPUT

## PO120 - AMBIENT TEMPERATURE SENSOR with 4-20mA output for outdoor and indoor use

TECHNICAL PARAMETERS	
Measuring and operating temperature range:	-30 to +80 °C
Accuracy:	±0.4 °C
Break of sensor:	> 24mA
Short circuit of sensor:	< 3.5mA
Dimensions (W x H x D):	approximately 88x15x39.5 mm
Protection:	IP65
Power:	9 to 30 V DC ( typically 24 V )



Duct sensor PO132



Ambient temperature sensor PO120

## TEMPERATURE TRANSDUCERS from Pt100 Pt1000 sensor to current loop 4-20mA

**Transducers** are designed for signal conversion from RTD Pt100 and Pt1000 sensor to linearized signal 4 to 20mA. Transducer is built in a robust watertight ABS case with cable glands.

TECHNICAL PARAMETERS	
Operating temperature range:	-30 to +80 °C
Break of sensor:	> 24mA
Short circuit of sensor:	< 3.5mA
Dimensions with glands (W x H x D):	approximately 88 x 123 x 39.5 mm
Protection:	IP65
Power:	9 to 30 V DC ( typically 24 V )



Transducer P6181 for Pt100  
Transducer P41x1 for Pt1000

### AVAILABLE MODELS for Pt1000 two-wire connection:

- **P4141** range 4 to 20mA / -100 to +30 °C, accuracy of the input ±0.3 °C
- **P4121** range 4 to 20mA / -30 to +80 °C, accuracy of the input ±0.3 °C
- **P4151** range 4 to 20mA / 0 to +35 °C, accuracy of the input ±0.2 °C
- **P4131** range 4 to 20mA / 0 to +150 °C, accuracy of the input ±0.3 °C
- **P4161** range 4 to 20mA / 0 to +250 °C, accuracy of the input ±0.4 °C
- **P4171** range 4 to 20mA / 0 to +400 °C, accuracy of the input ±0.7 °C

Transducers P41x1 are directly compatible with Comet temperature probes with the Pt1000 sensor with no connector - probe marking followed by /O.

### AVAILABLE MODELS for Pt100 two-wire, three-wire and two-wire with compensation loop connection:

- **P6181** range 4 to 20mA / -100 to +200 °C, accuracy of the input ±0.3 °C up to +100 °C, ±0.4 °C over +100 °C

**Included is traceable calibration certificate** from the manufacturer, instruction manual. Calibration certificate with declared metrological traceability of etalons is based on requirements of EN ISO/IEC 17025 standard.

Warranty: 2 years