# TEMPERATURE SENSORS AND TRANSDUCERS FOR Pt100, Pt1000 WITH 4-20mA OUTPUT
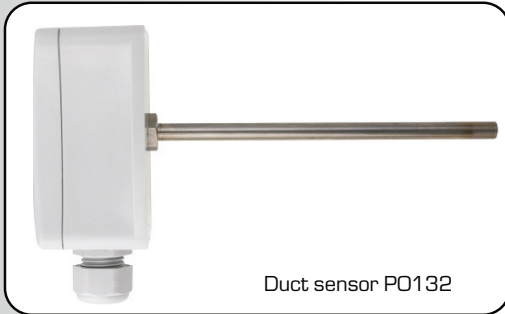
## P0120 - AMBIENT TEMPERATURE SENSOR
### with 4-20mA output for outdoor and indoor use

| 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 P0132



Ambient temperature sensor P0120

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

**Transduders** 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 ) |

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

**P4141**  range 4 to 20mA / -100 to +30˚C, accuracy of the input ±0.3˚C

**P4191**  range 4 to 20mA / -50 to +50˚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



Trandsucer P6181  for Pt100
Trandsucer P41x1 for Pt1000

Transducers P41x1 are directly compatible with Comet temperature probes with the  Pt1000  sensor with no connector - probe marking followed by /0.

**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

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