



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

## P0120 - AIR TEMPERATURE PROBE 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 88 x 151 x 37mm
Protection:	IP65
Power:	9 to 30 V DC ( typically 24 V )

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

Transducers are designed for signal conversion from RTD Pt1000 and Pt100 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 37mm
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
- 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

### 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

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

Included is calibration certificate from the manufacturer Comet.

Warranty: 2 years