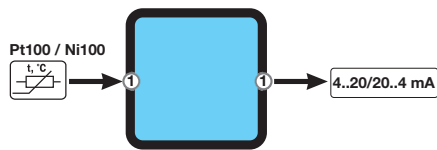


# T120

## LOOP POWERED TRANSMITTER FOR PT100 AND NI100 PROBES (IN HEAD MOUNTING)



T120 is a converter for Thermoresistance PT100/Ni100 with 2,3,4 wires and convert it into 4..20mA loop powered signal. It's completely configurable through PC software. T120 is suitable for in-head mounting (Pt100). The output signal is not isolated from the input one.

### TECHNICAL SPECIFICATIONS

#### General Data

Power supply	5..30 Vdc
Power consumption	20mA
Isolation	-
Power transducers	-
Accuracy	0,1%
Response time	<620 ms
Settings	Easy_LP (PC software)
Mounting	In-Head mounting (PT100) Available adapter for DIN RAIL guide
Protection Degree	IP20
Operating Temperature	-40..+85 °C
Dimension	Ø 43,7 x 20 mm

#### Input

Channel Numbers	1
RTD	Pt100 Standard: EN 60751/A2 (ITS-90) Range: -200..+650°C Min span: 20°C Sensors with 2, 3, 4 wires Ni100 Range: -60..+650°C Min span: 20°C Sensors with 2, 3, 4 wires

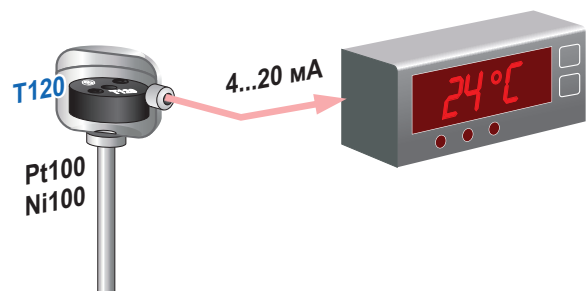
#### Output

Channel Numbers	1
Current	CURRENT (mA) 4..20, 20..4 mA (2 wire)

#### Standard

Approval	CE
Norms	EN 50081-2; EN 55011; EN 50082-2; EN 61000-2-2/4; EN 50140/141; EN 61010-1

### APPLICATION NOTE







### ORDER CODES

Code	Description
T120	Loop powered transmitter for Pt100 and Ni100 probes (in head mounting), Power supply 5..30 Vdc

### ACCESSORIES & SOFTWARE

		
<b>EASY USB</b> USB ↔ UART TTL CONVERTER pg. 50	<b>EASY_LP</b> Programming software pg. 114	<b>PM002780</b> FLEX DIN -

### SIMILAR PRODUCTS

			
<b>K120RTD</b> Pt100, Ni100 loop powered converter pg. 109	<b>T121</b> Isolated loop powered temperature transmitter (in head mounting) pg. 117	<b>Z109PT2</b> RTD to DC current/voltage isolator/converter pg. 91	<b>K109PT</b> PT100 to DC current/voltage isolator/converter pg. 106