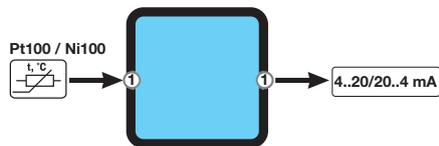


T120

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 |

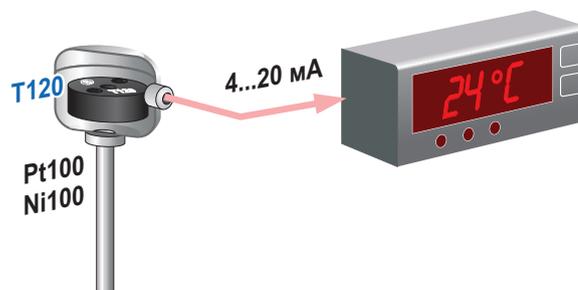
Output

| | |
|-----------------|--|
| 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

| | | |
|--|---|---|
|  |  |  |
| EASY USB USB ↔ UART TTL CONVERTER pg. 50 | EASY_LP Programming software pg. 114 | PM002780 FLEX DIN - |

SIMILAR PRODUCTS

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