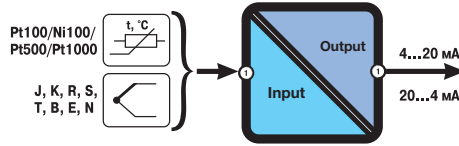


T121

ISOLATED LOOP POWERED TEMPERATURE TRANSMITTER (IN HEAD MOUNTING)



T121 is a converter for Thermoresistance (mA, mV, PT100, Pt1000, Pt500, Ni100, TCs, Ohm) with 2,3,4 wires and convert / isolate it into 4..20mA loop powered signal. It's completely configurable through PC software. T121 is suitable for in-head mounting (RTD or TC). A 2-way galvanic isolation among input // output circuits assures the integrity of your datas.

TECHNICAL SPECIFICATIONS

General Data

Power supply	7..30 Vdc (loop powered)
Power consumption	500 mW
Isolation	1.500 Vac (2 way)
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 (EN 60751/A2, -200..+650°C, min span 20°C) Ni100 (-60..+250°C, min span 20°C) Pt500 2,3,4 wires, range -200... 650 °C Pt1000 2,3,4 wires, range -200... +200°C TC: J, K, R, S, T, B, E, N Potentiometer: 450..1.800 ohm Voltage: -150..+150 mV

Output

Channel Numbers	1
Current	CURRENT (mA) 4..20, 20..4 mA (2 wire) Resolution 2µA = 13 bit = 0.0125%

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

