**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.

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**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)
    - N100 (-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

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**APPLICATION NOTE**

**ORDER CODES**

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<th>Code</th>
<th>Description</th>
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<td>T121</td>
<td>Isolated loop powered temperature transmitter (in head mounting), Power supply 7..30 Vdc</td>
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**ACCESSORIES & SOFTWARE**

- K121: Isolated loop powered isolator/ universal converter
- Z109REG2: Universal converter to DC current/voltage isolator converter with alarm output
- K120RTD: Pt100, N100 loop powered converter

**SIMILAR PRODUCTS**

- K121
- Z109REG2
- K120RTD