



TV-THERMO...

Terminal

Plug-screw terminal
8 pin, max. 2,5 qmm

Adjust gain slope
Adjust offset / Zero
LED output

1: output 1, + 10V
2: output 1-2, - (GND)
3: output 2, + 20mA

4: input thermocouple +
5: GND
6: input thermocouple -

7-8: power supply 24V
LED power supply

Pin 2 and 5 are internal
together (GND)

Technical Data

| | |
|---------------------|--|
| Input, pin 4/6 | order thermocouple type |
| Thermocouple type E | 60,9 $\mu\text{V} / ^\circ\text{C}$, NiCr-CuNi |
| “ type J | 51,7 $\mu\text{V} / ^\circ\text{C}$, Fe-CuNi |
| “ type K,T | 40,6 $\mu\text{V} / ^\circ\text{C}$, NiCr-Ni, Cu-CuNi |
| “ type R,S | 5,95 $\mu\text{V} / ^\circ\text{C}$, Pt13RhPt, Pt10RhPt |

| | |
|----------------------|--------------------|
| Output 1, pin 1-2 | 0-10V (2-10V) DC |
| Output current | max. 20mA |
| Output 2, pin 3-2 | 0-20mA (4-20mA) DC |
| Output load resistor | max. 800 Ohm |

| | |
|-----------------------|---------------------------|
| Precision | 2% |
| Power supply | 24V AC/DC, +-15% |
| Power current | max. 80mA |
| Isolation supply | 500 Vss |
| Operating temperature | -10 - +50°C |
| Storage temperature | -30 - +80°C |
| Construction | PCB mount., TS35, EN50022 |
| Weight | 110g |
| Dimensions | 24 x 72 x 94 mm (WxHxD) |

Isolation temperature transmitter for thermocouple sensor. Gain-correction, offset-correction, see sheet AN B100.

Order the thermocouple type, the measuring range and the output value.

Thermocouple compensator is internal mounted to the thermocouple connection point, cold junction compensation.

Electrical isolation between input, output and power supply, LED green for power supply, LED red for output value.

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ISOALTIONS CONVERTER TV-THERMO.....

| | |
|--------------|--|
| Input | Thermocouple, order type and measuring range |
| Output 1 | 0-10V or 2-10V DC order value |
| Output 2 | 0-20mA or 4-20mA DC “ |
| Power supply | 24 V AC/DC |

