



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 $\mu\text{V} / ^\circ\text{C}$, Pt-PtRh, Pt-PtRh
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. 70mA
Isolation supply	500 Vss
Operating temperature	-10 - +50°C
Storage temperature	-30 - +80°C
Construction	PCB mount., TS35, EN50022
Weight	100g
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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E_TV-THERMO

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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

