



TV-PT100. ...

Terminal

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

Adjust gain slope
Adjust offset / zero
LED output

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

4: input 1, PT100 sensor
5: input 2, PT100 sensor
6: input 3, 3 wire PT100
Pin 5-6 must be connect
together at the RTD sensor
(3 wire connection)

7-8: supply 24V AC/DC

LED power supply

Technical Data

Input, pin 4-5-6
2 wire input:
3 wire input:

pin 4-5: PT100 RTD
pin 5-6 connect together
pin 5-6 connect wire together
at the RTD sensor

Output, pin 1-2
Output current

0-10V (2-10V) DC
max. 20mA

Output, pin 2-3
Output load resistor

0-20mA (4-20mA) DC
max. 800 ohm

Precision

0,3%

Linearity

DIN 43 760

Power supply

24V AC/DC, +-15%

Power current

max. 70mA

Isolation in – out - 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)

Converter, isolation amplifier for PT100, 2 or 3wire connection. Gain correction, offset-correction for parallel shifting. Order the input temperature range and the output value for calibration (min. -100 – max. 800°C).

Example: Input PT100 temperature range 0-100°C to 2-10V / 4-20mA. (Smallest range is 40 Kelvin)

Electrical isolation between input, output and power supply, three-port-isolation.

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CONVERTER TV-PT100...

Input PT100 temperature sensor

Output 0-10V, 0-20mA or 2-10V, 4-20mA DC

Power supply 24 V AC/DC

B 302.2

E_TV-PT100

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