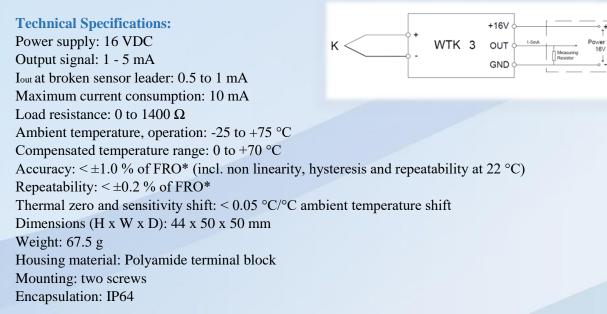


## **THERMOCOUPLE AMPLIFIER TYPE WTK-3**

## **General description**

The WTK-3 device converts the low voltage output from a thermocouple to a standard 1 - 5 mA signal. The power supply should be 16 VDC. The thermocouple is connected to the input of the amplifier. The input voltage is dependent upon the temperature difference between the sensor and the amplifier. Fluctuations in temperature are compensated by the built-in temperature sensor. A screened cable should always be used from the sensor to the amplifier and from the amplifier to the monitoring system. Minimum cross section cable is  $2 \times 0.2$  mm2. Amplifier can be mounted by two screws.





Standard types	Element type	Range
WTK- 3/E	K NiCr-NiAl	0 to 160 °C
WTK- 3/B	K NiCr-NiAl	0 to 300 °C
WTK- 3/A	K NiCr-NiAl	0 to 600 °C
WTK- 3/N	K NiCr-NiAl	0 to 900 °C
WTK- 3/G	J Fe-Constantan	0 to 300 °C
WTK- 3/F	J Fe-Constantan	0 to 600 °C