

532 Series

Features

- Compact and Low-Cost Temperature Display
- Temperature Display in °C or °F
- MIN/MAX Value Retention
- EEPROM Data Backup on Power Failure
- Galvanic Isolation with Reverse Polarity Protection
- Screw Terminal Connectors: pitch 5 mm
- Display Hold Input
- 5 Measurements/second

Specifications:

Supply voltage: 10-30 V DC, galvanically isolated with reverse polarity protection
 Current draw: max. 40 mA
 Display: 5-digit display, red 7-segment LED's; height 8 mm
 Measuring rate: 5 measurements/second
 Display refresh: 1-2 times per second
 Data backup: EEPROM
 Housing: housing for control panel 48 x 24 mm acc. to DIN 43 700; RAL 7021, dark grey
 Ambient temp.: -20 to +65 °C
 EMC: according to EC EMC directive 89/36/EEC
 Interference emissions: EN 50081-2/EN 55 011 Class B
 Interference resistance: EN 6100-6-2
 Protection: NEMA4 / IP65 (front)
 Weight: app. 50 g
 Input: Thermocouple Sensor
 J (Fe-CuNi)
 K (Ni-CrNi)
 N (NiCrSi-NiSi)
 with sensor breakage monitoring
 Control inputs: High: 4-30 V DC, Low: 0-2 V DC
 Supply current: 1 mA
 Supply line: 2-wire: max 20 Ω, programmable 3-wire, 4-wire: max 20 Ω, no balancing required

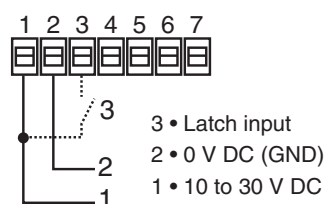
Temperature Display for J, K and N Thermocouples



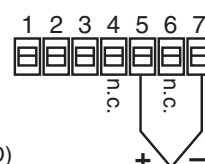
- J, K, N Thermocouples with External or Internal Cold Junction Compensation
- Easy Programming and Operation

Temp. ranges: according to DIN IEC 584
 J (Fe-CuNi) -210.0 °C to +1200.0 °C
 -346.0 °F ... +2192.0 °F
 K (Ni-CrNi) -200.0 °C ... +1372.0 °C
 -328.0 °F ... +2501.6 °F
 N (NiCrSi-NiSi) -200.0 °C ... +1300.0 °C
 -328.0 °F ... +2370.0 °F
 Resolution: 0.1°C (0.1°F) or 1°C (1°F)
 Linearity error: < 0.4 % for entire measuring range at an ambient temperature of 20 °C
 Cold junction error: ±1.0 °C typ. ±3.0 °C
 Temp. drift: 0.1 K/KAmbient
 Wiring:

Power Supply



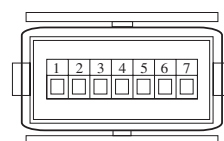
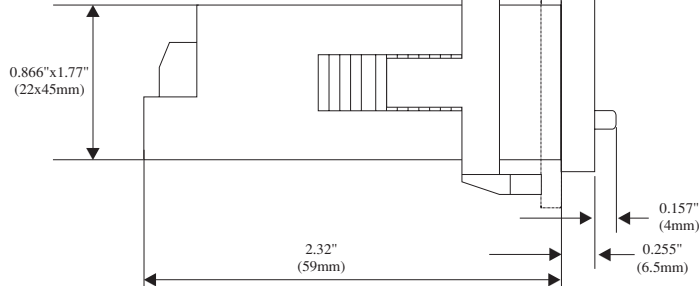
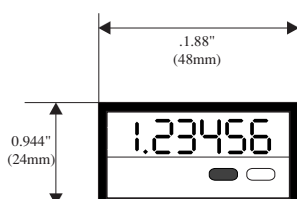
2-Wire RTD



Order #:

532 = Temperature Display with thermocouple Input

Panel Cutout: 0.876" x 1.78" (22.3 x 45.2mm)
 or 0.99" x 1.97" (25 x 50mm) with adaptor provided



Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Trumeter:

532K