

Two Wires Rail Mounting Signal Converter (Slim Type)



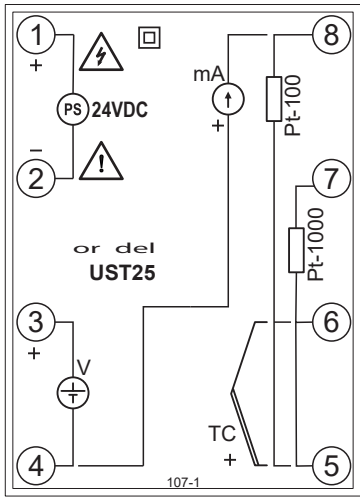
UST25

UST25 Model devices are Rail Mount devices that convert the temperature information received from thermocouple or resistance thermometer type temperature sensors into 4-20mA Analog signals. These devices are microprocessor-based and can be easily configured and used on a computer with the SBA100 USB-UART converter.

| Technical Specifications | |
|-------------------------------|--|
| Power Supply (PS) | 10-35 VDC |
| Universal Sensor Input (S1) | Thermocouple = B, E, J, K, L, N, R, S, T, U Resistance Thermometer = Pt-100 Pt-1000 |
| Thermocouple Input Impedance | 10MΩ |
| Output | Current = 0/4-20mA |
| Memory | 100 Year, 100.000 Renewals |
| Accuracy | +/- 0,2% |
| Sampling Time | 100 ms |
| Environment Temperature | Working = -10...+55°C Storage = -20...+65°C |
| Dimensions | Width = 25 mm Height = 92 mm Depth = 113 mm |
| Weight | 134 gr |

| Input Types | | | |
|---------------------------|-----------|---------|---------|
| Sensor Type | Standard | Min. | Max. |
| Type-T (Cu-Const) | IEC60584 | -200 °C | 300 °C |
| Type-U (Cu-Const) | IEC60584 | -200 °C | 600 °C |
| Type-J (Fe-Const) | IEC60584 | -200 °C | 800 °C |
| Type-L (Fe-Const) | IEC60584 | -200 °C | 900 °C |
| Type-K (NiCr-Ni) | IEC60584 | -200 °C | 1200 °C |
| Type-E (Cr-Const) | IEC60584 | -200 °C | 1200 °C |
| Type-N (Nicrosil-Nisil) | IEC60584 | 0 °C | 1200 °C |
| Type-S (Pt%10Rh-Pt) | IEC60584 | 0 °C | 1500 °C |
| Type-R (Pt%13Rh-Pt) | IEC60584 | 0 °C | 1600 °C |
| Type-B (Pt%18Rh-Pt) | IEC60584 | 0 °C | 1800 °C |
| Pt-100 | DIN 43760 | -200 °C | 850 °C |
| Pt-1000 | DIN 43760 | -70 °C | 500 °C |
| 0 / 4-20 mA | | 0 mA | 20 mA |
| 0 / 2-10 VDC | | 0 VDC | 10 VDC |

Modular Structure and Connection Diagram



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