

Temperature Transmitters

TT300 Series

The Smar TT300 Series is a transmitter mainly intended for measurement of temperature using RTDs or thermocouples. However, it can also accept other sensors with resistance or mV output such as: pyrometers, load cells, resistance position indicators, etc. The TT300 Series accepts up to two sensors and may operate in one of the modes:

- Single channel with single sensor measurement
- Dual channel with dual sensor measurement
- Single channel with dual sensor differential measurement
- Single channel with dual sensor back-up measurement

The Smar TT300 Series is a powerful and extremely versatile smart temperature transmitter. The digital technology used in the TT300 Series enables a single device to accept several types of sensors, wide ranges, single or multiple-ended measurement and an easy interface between the field and the control room. It also includes several interesting features that reduce considerably the installation, operation and maintenance costs. The transmitter accepts two channels, i.e., two measurements. This reduces the cost per channel.

The TT300 Series is suitable for direct field installation, being weather-proof and explosion-proof, as well as intrinsically safe, for use in hazardous areas. en áreas peligrosas.

Features

- 0.02% accuracy
- Built-in thermocouples and RTDs linearization
- True non-interactive zero and span
- Local zero and span adjustment
- Remote configuration via Hand-Held Terminal or via PC
- Alphanumerical LCD indication
- Small and lightweight
- Explosion proof and weather proof housing approved (IP67)
- Intrinsically safe certification
- Signal simulation for loop tests
- Signal isolation
- Configurable user unit
- Configurable local adjustment
- EMC (Electromagnetic Compatibility) according to IEC 61000-6-2: 1999
- IEC 61000-6-4: 1997 and IEC 61326: 2002
- Write protection function
- Three technology options: HART®, FOUNDATION™ Fieldbus, PROFIBUS PA

