

ATT2100

ATT2200

Description of Product (ATT2100 / ATT2200)

The ATT2100, 2200 Smart Temperature Transmitter is a microprocessor-based high performance transmitter, which has flexible sensor input and output, automatic compensation of ambient temperature and process parameters, configuration of various parameters, communication with HART protocol. All Data of Sensor (Tag No., type, range etc.) is to be input, modified and stored in EEPROM.



DIN Rail Type

Function (ATT2100 / ATT2200)

- Flexible Sensor input: RTD, T/C, mV, Ohm
- Various output: 4 ~ 20mA (Analog), Digital Signals
- Automatic Compensation by Linearization table in which user can modify the various necessary values
- Automatic Compensation of Ambient Temperature
- Setting Various Parameters: Zero/Span, Unit, Fail-mode, Trim, etc.
- Self Diagnostic Function: Sensor, A/D Converter, Memory, Power, etc.
- Digital Communication with HART protocol
- Flameproof Approval and Intrinsic Safety Approval (ATT2100): KOSHA, KTL, ATEX

Features (ATT2100 / ATT2200)

- **Superior Performance**
 - Excellent Accuracy
 - Long-Term Stability
- **Flexibility**
 - Selection of various T/C, RTD, mV, Ohm
 - Data Configuration with HART configurator
- **Reliability**
 - Automatic Compensation: Linearization of sensor input, Ambient temperature compensation
 - Continuous Self Diagnostic
 - Fail-mode Process function
 - EEPROM Write Protection
 - I/O Isolation : Grounded Thermocouple
 - CE EMC Conformity Standards (EN50081-2, EN50082-2)

Sensor Inputs (ATT2100 / ATT2200)

• Sensor Inputs

The model ATT 2100, 2200 is coMPatible with a various of temperature sensors, including 2W, 3W, 4Wire RTDs, thermocouples, and other resistance and millivolt inputs (see individual specification).

< Input Sensor Types >

- RTD: 2W, 3W, 4Wire
- Thermocouple: B, E, J, K, N, R, S, T type
- mV: -10 ~ 75mV
- Ohm : 0 ~ 430 Ω
- Dual Sensor Input (option)

* Please contact us before order for detailed certificate

5335D



Head Mount Type

Application

- Linearised temperature measurement with Pt100...Pt1000, Ni100...Ni1000, or TC sensor.
- Difference or average temperature measurement of 2 resistance or TC sensors.
- Conversion of linear resistance variation to a standard analogue current signal, for instance from valves or Ohmic level sensors.
- Amplification of a bipolar mV signal to a standard 4...20 mA current signal.
- Connection of up to 15 transmitters to a digital 2-wire signal with HART® communication.

Technical characteristics

- Within a few seconds the user can program PR5335D to measure temperatures within all ranges defined by the norms.
- The RTD and resistance inputs have cable compensation for 2-, 3- and 4-wire connection.
- The 5335D has been designed according to strict safety requirements and is thus suitable for application in SIL 2 installations.
- Continuous check of vital stored data for safety reasons.
- Sensor error detection according to the guidelines in NAMUR NE 89.

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