

Endress+Hauser Thermometer TM311-AAC0BD2BBX1A1

Compact Pt100 temperature sensor with IO-Link and 4 to 20 mA for general and sterile applications



Picture for reference only. Product appearance may vary based on configuration

The iTHERM CompactLine TM311 is a thermometer that provides accurate and fast process temperature measurements in hygienic and aseptic applications. It is available with a common Pt100 RTD or a Pt100 RTD with TipSens technology reaching response times as low as 1.5 s (t90) for optimum process control. The sensor is very accurate even with short immersion lengths.

- Version with iTHERM TipSens offers best-in-class response times with a T90 time of 1.5 seconds
- Version with iTHERM TipSens ensures a highly accurate measurement for short immersion lengths for example in small pipelines in the food and beverages industry
- Fast installation and easy commissioning thanks to compact dimensions for installation in tight spaces
- 4...20mA and IO-Link in one device. Perfect to save costs for stock

Configuration of TM311-AAC0BD2BBX1A1:

| | | |
|-------------------------------|----|---|
| Approval: | AA | Non-hazardous area |
| Output: | C | IO-Link/4-20mA, 0...+150oC |
| Design; Diameter Insert: | 0 | W/o thermowell, direct contact; 6mm |
| Material Wetted Parts: | B | 316L |
| Process Connection: | D2 | Clamp>NA Connect DN25-38 (1-1.5"), ISO 2852, form B |
| Surface Wetted Parts: | B | Ra<=0.76um/30uinch |
| Sensor Type; Measuring Range: | B | iTHERM TipSens; -50...+200oC |
| Immersion Length U: | X1 | 300MM..... mm (=<300) |
| Thermowell Connection: | A | Not needed, no thermowell, direct contact |
| Neck Length E: | 1 | Not needed |

Alternative part number: TM311-5J86/0