

Endress+Hauser Thermometer TM311-AAC1AA0ABC1B1SATB

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-AAC1AA0ABC1B1SATB:

Approval:	AA	Non-hazardous area
Output:	C	IO-Link/4-20mA, 0...+150oC
Design; Diameter Insert:	1	Installation in existing thermowell; 3mm
Material Wetted Parts:	A	Not needed (installation in existing thermowell)
Process Connection:	A0	Not needed
Surface Wetted Parts:	A	Not needed (installation in existing thermowell)
Sensor Type; Measuring Range:	B	iTHERM TipSens; -50...+200oC
Immersion Length U:	C1	85 mm, suitable for existing tee/elbow thermowells
Thermowell Connection:	B	G3/8 female thread
Neck Length E:	1	Not needed
>Calibration:	SA	Factory calibration. The calibration offered is an ISO/factory calibration. The calibration certificate is not an accredited certificate and therefore not covered by the EA MLA.
>Calibration Points >=0oC:	TB	0/+100/+150oC, 3 fixed points

Alternative part number: TM311-2UT0/0