

Endress+Hauser Thermometer TM311-AAA2BB3BBB5B1

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-AAA2BB3BBB5B1:

Approval:	AA	Non-hazardous area
Output:	A	Pt100, 4-wire class A (IEC 60751)
Design; Diameter Insert:	2	With thermowell; 3mm
Material Wetted Parts:	B	316L
Process Connection:	B3	Weld-in adapter cylindrical, D=12x40mm
Surface Wetted Parts:	B	Ra<=0.76um/30uinch
Sensor Type; Measuring Range:	B	iTHERM TipSens; -50...+200oC
Immersion Length U:	B5	35 mm
Thermowell Connection:	B	G3/8 female thread
Neck Length E:	1	Not needed

Alternative part number: TM311-6DX4/0