

# Endress+Hauser Thermometer TM131-AABBCCB1BA8AGEC2CA1AA1

**Intrinsically safe temperature sensor designed for use in industrial applications. Complete with manufactured thermowell produced from pipe or tube material or to be used with on-site thermowell.**



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

The iTHERM ModuLine TM131 thermometer is suitable for a broad range of general, industrial applications. It comes with a manufactured, welded thermowell or can be installed in an existing thermowell. The modularity offers maximum variety by combining housing, sensor design (RTD / TC measuring technology), temperature transmitter, process connection and other components. Individual components can be easily replaced, added, or modified.

- Second process seal with failure indication - no process medium will enter the terminal head or the wiring circuit
- iTHERM StrongSens or iTHERM QuickSens inserts for environments with high vibration or faster response times
- iTHERM QuickNeck feature allows tool-free, easy calibration
- Improved maintenance by changing inserts without interrupting the process

## Configuration of TM131-AABBCCB1BA8AGEC2CA1AA1:

Approval:	AA	Non-hazardous area
Thermowell:	B	Thermometer with thermowell, continuous, similar DIN43772 Form 2 G/F , 3 G/F
Thermometer Design:	B	Lagging, DIN43772 form 2G, 2F, 3G, 3F
Process/Thermowell Connection; Material:	CC	G1/2 male thread; 316L/316Ti
Thermowell Diameter; Material:	B1	9x1.25mm; 316L
Tip Shape:	B	Straight (DIN 43772 form 2/2G/2F)
Immersion Length U:	A8	200 mm
Removable Neck Length E:	A	0mm, w/o neck
Lagging Length T:	G	80 mm
Sensor Type; Measuring Range; Material:	E	1xPt100 TF iTHERM QuickSens; -50...+200oC; 316L
Sensor Standard; Classification:	C	IEC60751; class A, 4-wire
Electrical Connection:	2C	4-20mA, 1-channel TMT71, head transmitter DIN B
Terminal Head,Material,Protection Class:	A1	TA30A comfort flip cover; Alu; IP66/68
Cable Entry Terminal Head:	A	1x M20x1.5 female thread
Device Model:	A1	1
Upper range value		100.00°C
Low range value		0.00°C

Alternative part number: TM131-A82K7/101