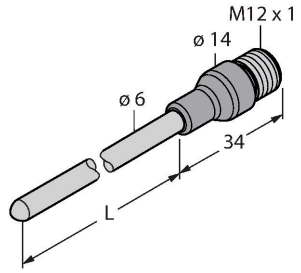
TP-206KK1-CF-H1141-L150
Temperature Detection – Probe



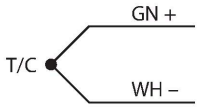
Technical data

Type	TP-206KK1-CF-H1141-L150
Ident. no.	100017084
Temperature range	
Measuring range	-40…1100 °C
Temperature operating range	-40…2012 °F
Accuracy	class 1
Measuring element	thermocouple type K, DIN EN 60584 and IEC 584
Immersion depth (L)	150 mm
Protection type and class	IP67
Output function	2-wire
Ambient conditions	
Ambient temperature	-40…+85 °C
Storage temperature	-40…+85 °C
Housing	
Housing material	Metal/plastic, Inconel 600
Sensor material	Stainless steel, Inconel 600
Process connection	For compression fittings, thermowell or direct mounting
Electrical connection	Connector, M12 × 1
Reference conditions acc. to IEC 61298-1	
Temperature	15…+25 °C
Atmospheric pressure	860…1060 hPa abs.

Features

- Thermocouple acc. to DIN EN 60584
- Vibration an shock-resistant
- Can be connected to TS720, IM34 or IME-TI
- Max. temperature connector: 120 °C
- 2-wire technology
- Process connection: Compression Fitting
- Bendable probe (min. bending radius: 3x outside diameter)

Wiring diagram



Functional principle

Thermocouples are used for the detection and monitoring of temperatures to optimize and control a process.
Typical applications are in machine and plant construction as well as in the process industry. The core element of the temperature sensor is a pair of metallic conductors made of different materials, which are connected at one end. Due to the thermoelectric effect, the thermocouple provides a temperature-dependent voltage.

Technical data

Humidity	45…75 % rel.
Auxiliary power	24 VDC