Temperature sensor TER8

Measuring the right process temperature at the right spot.

Product overview TER8

Features	Industries	Available measuring ranges	Accuracy	Process connections	Wetted parts material	Process conditions
Compact sensor for precise temperature measurement Front flush or immersed versions Hygienic sealing without gasket Fast response time	Food & Beverage Pharmaceutical Chemistry	−40 … +135 °C Output range programmable with 4 … 20 mA version	Pt100 classes B A AA (1/3 B) 1/6 B Transmitter ±0.25 °C ±0.1 % FS	G1/2B hygienic (Pipes down to DN 25)	PEEK	−40 … +115 °C 10 bar max. +135 °C max. 5 bar max. (t < 1 h)

Housing	Standards	Measuring principle	Output signal	Electrical connection	Interfaces	Sensor versions
Stainless steel IP 67	3-A EU 1935/2004, 10/2011, 2023/2006	Pt100 RTD sensor element	Pt100 4 … 20 mA	Connector M12, 4 pin	Programmable with FlexProgrammer 9701	Front flush, Immersion sleeve with length 20 or 50 mm

The TER8 temperature sensor.

The TER8 is a high end temperature sensor based on RTD technology. With wetted parts all in PEEK it is designed to meet the strict hygienic requirements of the food and beverage, pharmaceutical and the chemical industry. The sensor is available as front flush and as immersible version in two different lengths. The compact stainless steel housing includes an optional 4 … 20 mA transmitter, which is programmable.

Advantage Overview

- Though forgoing on elastomeric seals which are susceptible to maintenance, the process connection is 3-A and EHEDG compliant. Your benefit: less downtime and enhanced equipment productivity.
- The sensor in its front flush variant allows for direct process integration, regardless of agitators or any other inside tank assemblies. It will speed up the process and save manufacturing resources while improving product quality.
- Specially insulated against ambient influences, the sensor reliably measures the media temperature and will improve process efficiency.
- The sensor is hermetically sealed towards the process which ensures extended service life and enhanced reliability.

The TER8 meets the requirements of the respective 3-A Sanitary Standard. It is FDA compliant, meets industrial standards and fulfills EU directives 1935/2004, 10/2011 and 2023/2006.

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