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In-Line Continuous Flow Process Temperature Measurement

KEY FEATURES

Ultra-clean Design:

The unique Keyhole hygienic sealing mechanism allows sensors to be inserted without creating pockets, crevices or process dead-legs that can trap product during processing.

Ease of Installation:

The lack of any process pockets or dead-legs allows Keyhole sensors to be installed in any physical orientation without impacting hygienic performance. Only industry approved materials are used.

Leak-Free Operation:

The Keyhole seal is designed to tighten as the process pressure increases, creating a leak-free seal up to 3,000 PSIG (200 Bar).

Sensitivity:

The thermal isolation and low mass of the immersed sensing tip provide superior response times and accuracy.

PROBE STYLES

Center Reach



Low Obstruction



Small Bore



Point Measurement



Multi-Point



Equivalent to a traditional RTD, this probe style reaches the center of the pipe.

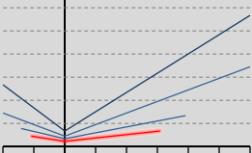
Provides accurate in-line temperature measurement with minimal obstruction of the product flow. Also measures at the edge of the flow, near the pipe wall

Suitable for use in process pipe IDs down to 0,550" (14mm). Ideal for use in pilot plant or lab-scale equipment where traditional RTDs and thermowells can introduce excessive flow obstruction or product damage.

Constructed from an ultra-thin stainless steel tube, this probe type is able to measure at a specific radial location in the process flow. Available with RTD or thermocouple elements.

Equipped with multiple type-T thermocouples along its length, this probe is able to measure at several radial locations simultaneously to create a thermal profile and identify the critical hot and cold spots.

PROBE OPTIONS

Transmitter	Dual Element	High Precision	Connectorized	Custom
				

FITTINGS

Instrument Tee	Multi-Port Tee	Flex-Fit	Custom	Calibration
				

