

FICTIONAL DEMO DOCUMENT - SPECIMEN ONLY. NOT A REAL PRODUCT, APPROVAL OR CERTIFICATE.

TM-410

Hygienic Temperature Sensor

Fast-response Pt100 with tri-clamp for sterile processes.

KEY FEATURES

- Class AA Pt100 element
- Tri-clamp, Ra <= 0.4 µm
- T90 under 3 s for sterile control

The TM-410 is a hygienic temperature sensor for sterile vessels and lines. A thin-wall probe with a tri-clamp ferrule responds in seconds and drains completely.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Resistance thermometry (RTD)
Measuring range	-50 to 200 °C
Accuracy	Class AA (±0.1 °C at 0 °C)
OUTPUT	
Signals	4–20 mA, IO-Link
PROCESS	
Connection	Tri-clamp
Process temperature	-50 to 200 °C
ENVIRONMENT	
Ingress protection	IP69K
APPROVALS	
Approvals (demo)	Hygienic design
MEASUREMENT	
Element	Pt100, 1/10 DIN Class AA
PROCESS	
Connection	Tri-clamp 1.5 in
Wetted material	316L, Ra <= 0.4 µm
Cleaning	CIP and SIP

Specifications are illustrative demo values created for the INSTRAVA template. Replace with your own product data.