

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

TM-310

Head-Mount Temperature Transmitter

Universal RTD / thermocouple conditioning with digital output.

KEY FEATURES

- Universal RTD and thermocouple input
- HART 7 with dual-sensor redundancy
- Sensor drift detection

The TM-310 mounts in the connection head of any temperature sensor and converts its signal to a clean 4–20 mA output with HART diagnostics.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Resistance thermometry (RTD)
Measuring range	-200 to 1372 °C
Accuracy	±0.1 °C (RTD)
OUTPUT	
Signals	4–20 mA, HART
PROCESS	
Connection	Threaded
Process temperature	-40 to 85 °C
ENVIRONMENT	
Ingress protection	IP66
APPROVALS	
Approvals (demo)	Functional safety SIL 2 capable, NAMUR NE 43 signalling
MEASUREMENT	
Inputs	RTD, thermocouple, resistance, mV
ELECTRICAL	
Supply voltage	10–36 V DC
Output	4–20 mA, NAMUR NE 43
ENVIRONMENT	
Ambient temperature	-40 to 85 °C

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