

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

TM-110

RTD Sensor Assembly

Pt100 thermowell assembly in standard process lengths.

KEY FEATURES

- Pt100 Class A element
- Standard immersion lengths 100–1,000 mm
- Spring-loaded for fast response

The TM-110 is a platinum resistance thermometer assembly in a threaded thermowell. It is the reference choice for accurate, stable temperature in chemical, power and oil and gas plants.

TECHNICAL SPECIFICATION

MEASUREMENT	
Principle	Resistance thermometry (RTD)
Measuring range	-200 to 600 °C
Accuracy	Class A (±0.15 °C at 0 °C)
OUTPUT	
Signals	4–20 mA, HART
PROCESS	
Connection	Threaded
Process temperature	-200 to 600 °C
ENVIRONMENT	
Ingress protection	IP66
APPROVALS	
Approvals (demo)	Hazardous-area protection (Ex d)
MEASUREMENT	
Element	Pt100, 3-wire or 4-wire
Response time T90	< 8 s in water
PROCESS	
Thermowell	Thread G½ or ½ in NPT, 316L
Immersion length	100 to 1,000 mm

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