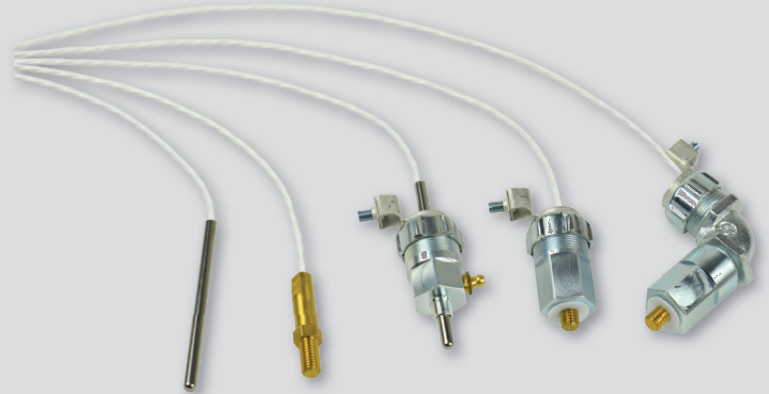


## Features

- 3-wire Platinum Pt100 RTD output
- Attachment probe, sensor, and cable
- Compatible with PLCs, meters, data acquisition, and hazard monitoring system with 3-wire Pt100 RTD- inputs
- Integral 1/2 in. flexible liquid-tight conduit fittings (RTDZ/S-LT models)
- Intrinsically Safe (IS) Class I, Div I (A, B, C, D), Class II, Div I (E, F, G) I.S. Simple Apparatus

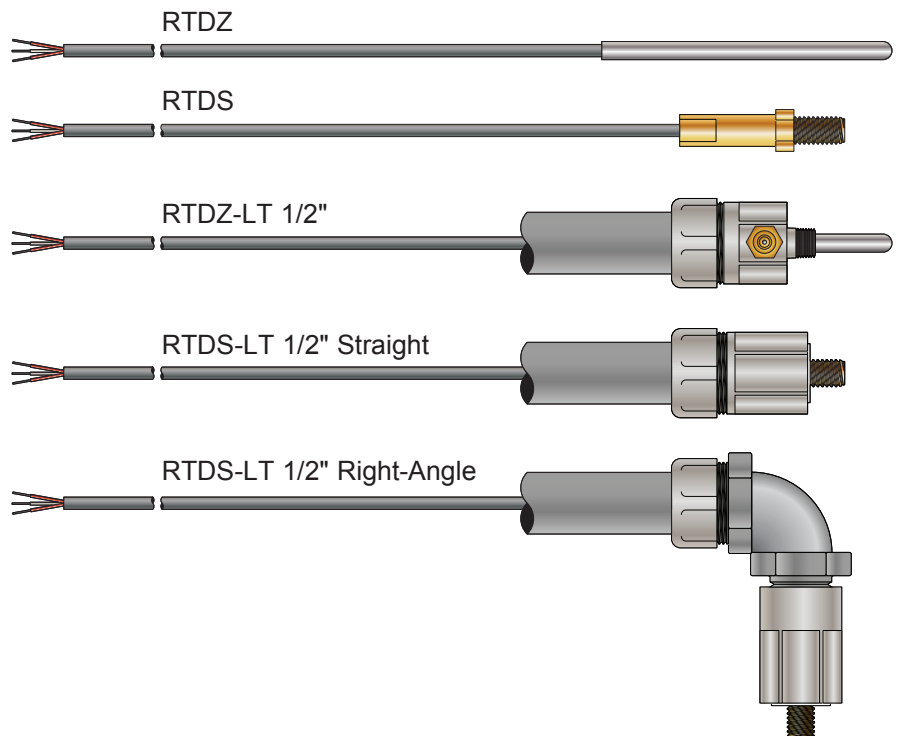


## Description


RTDZ, RTDZ-LT, RTDS and RTDS-LT are resistance-output Pt100 RTD temperature sensors with 3-wire cable (specify length) The measurement probe and fitting options are optimized for many industrial applications including Class II grain handling facility shaft bearing (RTDZ-LT) and belt rub-block (RTDS-LT) temperature measurement.

## Models

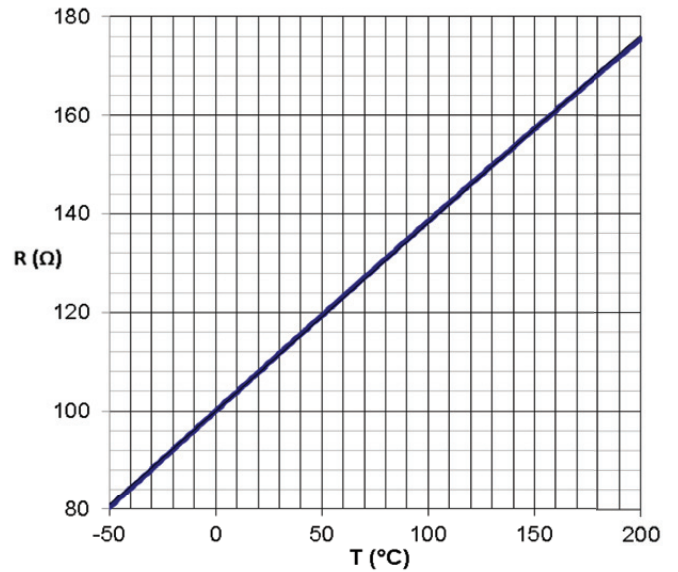
- RTDZ models have 1/4 in. diameter stainless steel probes (specify length).
- RTDS models have a 3/8-16 in. brass stud probe.
- RTDZ-LT (1/2 in.) models are RTDZ models with a detachable 1/2 in. flexible liquid-tight Z-LT conduit fitting.
- RTDS-LT (1/2 in.) models are an RTDS with a fixed (non-detachable) 1/2 in. flexible liquid-tight conduit fitting (specify straight or right-angle).



## RTD/RTD-LT Specifications

Product	
Measurement Range (RTDZ/RTDS)	-50 °C → +200 °C (-58 °F → +392 °F)
Measurement Range (RTDZ-LT/RTDS-LT)	-50 °C → +150 °C (-58 °F → +302 °F) at probe
Output Signal	Resistance (Platinum Pt100 RTD, 100Ω @ 0 °C)
Temperature Coefficient (Alpha α)	0.385Ω/°C (0 °C) Class B DIN (or better) Max error (°C) = ±(0.3 + 0.005*T)
Configuration	3-Wire 

## R/T Relationship



## Ordering

Model	Part Number
RTDS (10 ft. Cable)	800-001551
RTDS (20 ft. Cable)	800-001561
RTDZ (10 ft. Cable, 4 in. Probe)	800-001552
RTDZ (10 ft. Cable, 6 in. Probe)	800-001562
RTDZ (20 ft. Cable, 4 in. Probe)	800-001560
RTDZ (20 ft. Cable, 6 in. Probe)	800-001564
RTDS-LT (1/2 in., 10 ft. Cable, Straight)	800-001538
RTDS-LT (1/2 in., 10 ft. Cable, Right-Angle)	800-001556
RTDS-LT (1/2 in., 20 ft. Cable, Right-Angle)	800-001559
RTDZ-LT (1/2 in., 10 ft. Cable, 4 in. Probe)	800-001557
RTDZ-LT (1/2 in., 10 ft. Cable, 6 in. Probe)	800-001563
RTDZ-LT (1/2 in., 20 ft. Cable, 4 in. Probe)	800-001558
RTDZ-LT (1/2 in., 20 ft. Cable, 6 in. Probe)	800-001565

## Accessories

Accessory	Part Number
NPT Adapter 1/8 to 1/4, Stainless Steel	300-004100
NPT Adapter 1/8 to 1/2, Stainless Steel	300-004101
Lug (3/8-16)	776-001300
MM (3/8-16 magnet mount)	776-001400

## Customization

If one of standard products does not meet your specifications, please do not hesitate to call one of our applications specialists. Many of our products can be customized to fit specific needs.

## Additional Information

See the RTD/RTD-LT Temperature Sensor Installation and Operating Manual for complete details and specifications.