

TR58

Bearing RTD Sensor



TR58 Bearing RTD Sensor

Bearing RTDs are designed for areas where there are space limitations. They are small, compact and are often used to detect temperature increases in bearings, thrust bearing plates, shafts and motor windings. They are miniature low mass sensors which are fast responding. Bearing sensors are manufactured using thin film technology and by design are tip sensitive and vibration resistant. They can be spring loaded into a bearing housing or held in position with a high temperature epoxy resin.

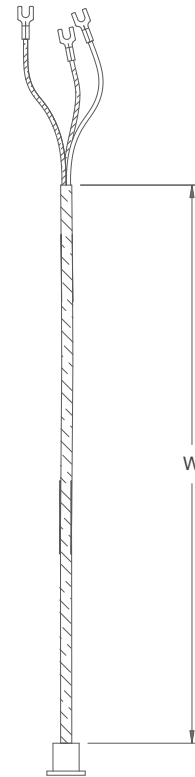
Applications:

TR58 series RTD sensors are suitable for:

- Motor windings
- Bearings
- Shafts
- Thrust plates
- Applications where there is a space limitation

Features:

- Tip sensitive thin film technology.
- Fast responding to sudden temperature changes.
- Miniature design. Sizes from 0.125 inch in diameter and 0.30 in length.
- Designed for temperatures to +250° C.
- PTFE single or double insulated lead wire.
- Optional wear resistant stainless steel braided jacket.
- Available with spring loaded mounting and retaining thrust washer.
- A variety of tip dimensions available to suit a particular application.
- Vibration proof solid design with no moving parts.
- Element encapsulation using high temperature epoxy resin.
- Moisture proof design.



TR58 - Bearing RTD Sensor

Sensor element:	Pt100
Measuring range:	-50 °C to +250 °C
Wiring configuration:	■ 2, 3, and 4 wire (single) ■ 2 or 3 wire (dual)
Accuracy range:	■ Class B to DIN EN 60751 ■ Class A to DIN EN 60751
Sheath material:	Stainless steel 316 / 316L
Tip construction:	Tip sensitive
Termination:	Stripped leads or spade lugs
Options:	■ Calibration - single point, multiple points, and to Callendar-Van Dusen coefficients

TR58

Create your product part number by selecting the appropriate assembly items from each of the categories below. Enter the item code into the applicable box to generate the part number. Note: Some configurations are unavailable. Your WIKA sales person will notify you if you have made an incorrect selection

		P	G			K					
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Part Number	TR58-X-XXX-XXX-XXXXXXX-XX
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1 Unit of measure

Code	
I	Imperial
M	Metric

2 Case style (dia. x length)

E	0.125 x 0.250 inch / 3.2 x 6.4 mm
C	0.125 x 0.300 inch / 3.2 x 7.6 mm
F	0.188 x 0.188 inch / 4.8 x 4.8 mm
G	0.188 x 0.250 inch / 4.8 x 6.4 mm, c/w spring & thrust washer
B	0.188 x 0.250 inch / 4.8 x 6.4 mm, for spring loading
A	0.275 x 0.250 inch / 7.0 x 6.4 mm
D	0.275 x 0.300 inch / 7.0 x 7.6 mm

3 Sheath material

P	Stainless steel 316 / 316 L (1.4401 / 1.4435)
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4 Tip construction

G	Tip sensitive (thin-film)
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5 Element

D	Pt100, class B
C	Pt100, class A

6 Wiring configuration

A	Single 2-wire
B	Single 3-wire
C	Single 4-wire
E	Dual 2-wire
F	Dual 3-wire

7 Temperature range

K	-50...+250 °C
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8 Lead wire insulation

F	Individual PTFE leads
S	Stainless steel braid over PTFE
T	PTFE jacket

9 W-Dimension (W)

*****	Please specify (e.g. 84 mm = 00084) (e.g. 9.5 inch = 00095)
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10 Termination

1	Stripped leads
2	Spade lugs

11 Certificates

1	Quality certificates
Z	Without

12 Additional order details

T	Additional text
Z	Without

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