

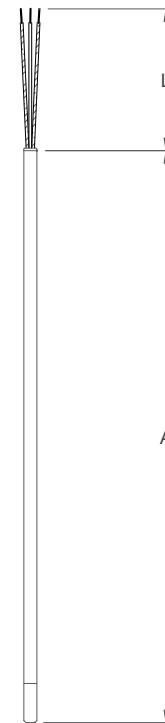
TR45 Cut to Length RTD Sensor



TR45 Cut to Length RTD Sensor

TR45 series RTD sensors are designed to be used as a fast, temporary replacement for an existing failed RTD sensor. This model is ideal for applications where down-time must be kept to a minimum. These sensors have a low-cost advantage as they can be supplied in predetermined lengths and then cut to suit the application as required. This reduces the necessity for stocking multiple lengths of RTDs.

Cut to length RTDs are primarily designed as a temporary replacement for a failed sensor installed within a thermowell assembly. It is recommended that this style of RTD be used as a temporary fix until a permanent replacement is supplied.



Applications:

TR45 series sensors are suitable for most industrial and commercial applications including:

- Automotive industries
- Chemical and petrochemical industries
- Electronics and semiconductor industries
- Energy and power plant technology
- Heating, ventilation, air-conditioning
- Machinery, plant and tank measurement
- Plastics and rubber industries
- Power and utilities
- Pulp and paper
- Water and wastewater treatment

Features:

- Fast delivery and a low cost solution when minimum downtime of the process is essential.
- The RTD sensor is supplied with 316/316L stainless steel sheath material.
- Sensor diameters are available in 0.188 and 0.250 inch also 4 and 6 mm.
- Temperature range of the sensor is -50 to +250 °C for PTFE insulated lead wire and -50 to +450 °C for fibreglass lead wire.
- When selected, the stainless steel tubing extension can be attached to the sensor using a roll-crimp or supplied separately.
- Thin film element technology provides tip sensitivity and fast response.

TR45 - Cut to Length RTD Sensor

Sensor Element: Pt100

Measuring range: -50 °C to +450 °C

Wiring configuration: 2, 3, or 4 wire (single)

Classification tolerance:

- Class B to DIN EN 60751
- Class A to DIN EN 60751

Tip construction: Tip sensitive

Sheath material: Stainless steel 316 / 316L

Termination: Stripped leads

Options:

- Lengths and diameters standard or customer specific
- Calibration - single point, multiple points, and to Callendar-Van Dusen coefficients
- Material traceability of the conductors, metal sheath and mineral insulation
- Selectable accuracy tolerance

TR45

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

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1 2 3 4 5 6 7 8 9 10 11 12 13 14

Part Number TR45-X-X-XXX-XXX-XX-XXXXX-XXXXX-XX

1 Cut-to-Length design

Code	
J	Loose tubing
P	Crimped tubing
B	Bulb only

2 Unit of measure

I	Imperial
M	Metric

3 Element

D	Pt100, class B
C	Pt100, class A

4 Wiring configuration

A	Single 2-wire
B	Single 3-wire
C	Single 4-wire

5 Temperature range

K	-50...+250 °C
S	-50...+450 °C

6 Tip construction

G	Tip sensitive (thin-film)
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7 Sheath material

P	Stainless steel 316 / 316 L (1.4401 / 1.4435)
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8 Sensor diameter

1	1/4 inch / 0.250 inch (6.35 mm)
4	3/16 inch / 0.188 inch (4.75 mm)
D	6.0 mm
G	4.0 mm

9 Lead wire insulation

F	Individual PTFE leads
C	Individual fibreglass leads

10 Termination

1	Stripped leads
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11 L-Dimension (L)

*****	Please specify (e.g. 84 mm = 00084) (e.g. 9.5 inch = 00095)
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12 A-Dimension (A)

*****	Please specify (e.g. 84 mm = 00084) (e.g. 9.5 inch = 00950)
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13 Certificates

1	Quality certificates
Z	Without

14 Additional order details

T	Additional text
Z	Without

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