

Electrical
Temperature
Measurement

TR60

RTD for Heating, Ventilation and Air-Conditioning

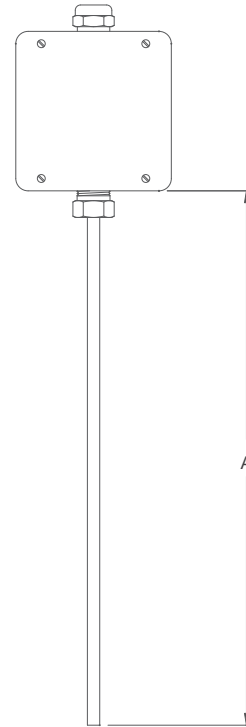


WIKAI

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TR60 HVAC RTD Assembly

TR60 series resistance temperature detectors (RTDs) are designed to measure ambient air temperature. They can be installed in either humid or dry environments for indoor and outdoor use.



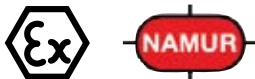
Applications:

TR60 series assemblies are suitable for ambient temperature measurement of:

- Air conditioned rooms
- Cold storage rooms
- Warehouses
- Grain storages
- Malt storages

Features:

- Impact resistant plastic or rugged aluminum enclosure.
- The assembly can be supplied with or without a transmitter.
- The assembly has electrical approvals for intrinsic safety, ingress protection and general purpose areas.
- Electrical authorities that have registered these approvals ATEX/IEC and NAMUR.
- Perforated tube for use in dry rooms provides considerably improved response time.



TR60 - HVAC RTD Assembly

Sensor Element:	Pt100
Measuring range:	-40 °C to +80 °C
Wiring configuration:	2, 3, and 4 wire (single or dual)
Classification tolerance:	<ul style="list-style-type: none"> ■ Class B to DIN EN 60751 ■ Class A to DIN EN 60751 ■ 1/3 of DIN Class B
Electrical approvals:	ATEX/IEC, NAMUR
Options:	<ul style="list-style-type: none"> ■ Transmitter mounted within case ■ Calibration - single point, multiple points, and to Callendar-Van Dusen coefficients ■ Selectable accuracy tolerance ■ Intrinsically safe version: ATEX, NAMUR (EEx-i) ■ Non-sparking version: ATEX (EEx-n) ■ RTD transmitter matching ■ Perforated probe tube for use in dry rooms

TR60

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

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

Part Number TR60-X-X-XXX-XX-XXXXXX-XXX-XX

1 Sensor design

Code	
A	Closed tube (indoor / outdoor)
B	Perforated tube (dry rooms only)

2 Electrical approval

A	EEEx-i (ATEX) gas, acc. to directive 94/9/EC
B	EEEx-i (ATEX) gas/dust, acc. to directive 94/9/EC
H	EEEx-n (ATEX) acc. to directive 94/9/EC
D	EEEx-i, confirmation NAMUR NE24
Z	Without

3 Case

A	82 x 80 x 55 mm (L x W x H), plastic (ABS)
B	80 x 75 x 57 mm (L x W x H), aluminum

4 Cable entry

2	1/2 NPT cable gland, metal
4	M20 x 1.5 screwed cable gland, plastic
1	M16 x 1.5 screwed cable gland, plastic
3	M12 x 1.5 screwed cable gland, plastic

5 Terminal block / Transmitter

1	Crastin terminal block
3	T12 (Programmable Digital Transmitter)
8	T19 (Analogue Transmitter)
4	T24 (Programmable Analogue Transmitter)
6	T32 (HART® Transmitter)
9	T53 (Fieldbus Foundation / PROFIBUS PA Transmitter)
B	T91.10 (Analogue Transmitter, DIN form B)
R	Terminals
X	Without / prepared for transmitter

6 Probe material

Q	Stainless steel 316 Ti (1.4571)
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7 Sensor diameter

D	6.0 mm
H	6.0 mm reduced to 3.0 mm

8 A-Dimension (A)

000060	60 mm
*****	A-Dimension in mm (e.g. 84 mm = 000084)

9 Element

D	Pt100, class B
C	Pt100, class A
I	Pt100, 1/3 DIN of class B at 0°C

10 Wiring configuration

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

11 Temperature range

W	-40...+80 °C
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12 Certificates

1	Quality certificates
Z	Without

13 Additional order details

T	Additional text
Z	Without

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