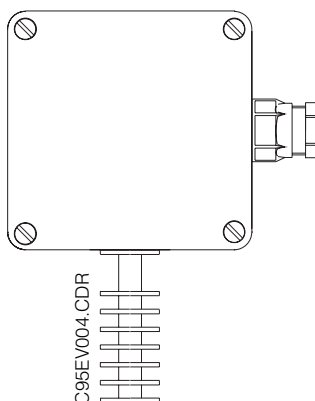


RTD Thermometer *omnigrad TST434*

Medium duty - Building automation for outdoor ambient temperature with housing for wall mounting



Description

TST434 RTD thermometer includes a 8 mm diameter aluminium anodised thermowell with 20 mm diameter fins and housing suitable for wall mounting.

Application

For outdoor temperature measurement or in any wet ambient like refrigerators and climatic chambers. The signal can be transmitted either by ohmic value or a 4-20 mA signal by means of a head transmitter installed in a IP65 Polycarbonate case or in a IP55 head DIN 43729 form B type.

Technical data

Allowed temperature:

-30°C to +100°C without transmitter
-20°C to +80°C with transmitter

Inset

Sensing element:

Platinum resistance, 1 Pt100 Ω at 0°C
class A or B to IEC 751

Tolerances:

Wiring:

3 wire connections

Insulation resistance:

$\geq 100 \text{ M}\Omega$, test voltage 250V at ambient temp.

Electrical connections:

plate for transmitter mounting or terminal board

Protecting Tube

Standard diameter:

8 mm diameter with 20 mm diameter fins
anodised aluminium

Standard material:

TA20A terminal head

Dimensions:

according to DIN43763 form B

Protection grade:

IP55

Transmitter mount. holes distance:

33 mm

Material:

light alloy dye casting suitable for wall mounting

Cable entry:

PG16 + grey gland skintop

Thermowell entry:

by standard mounting kit

Body colour:

blue according to RAL 5012, epoxy coated

Cap colour:

grey according to RAL 7035, epoxy coated

TA30 Housing

Dimensions:

80 x 82 x 55 mm

Protection grade:

IP65

Transmitter mount. holes distance:

33 mm

Material:

polycarbonate

Cable entry:

PG9 with cable gland

Thermowell entry:

by standard mounting kit

Colour:

grey according to RAL 7035



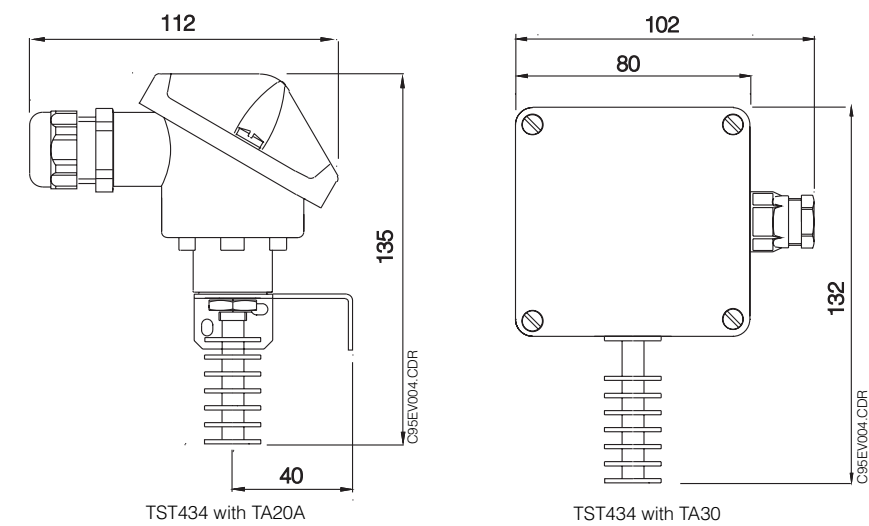
Order key

TST434 RTD Thermometer - Medium duty - Building automation
For outdoor ambient temperature - With housing for wall mounting

- Electrical connection type
- K - Terminal board for wire connection
- J - Plate for transmitter mounting
- RTD class and type
- 1B3 - 1 Pt100, class B, 3 wire
- 1A3 - 1 Pt100, class A, 3 wire
- Terminal head
- A - TA20A DIN B, in Al, IP55
- G - TA 30 Polycarbonate Housing, IP65
- Built-in transmitter
- 0 - Without built-in transmitter
- 1 - With built-in transmitter to be separately ordered

TST434-

Complete Order Code



Note: all dimensions in millimeters

Export Division

Endress+Hauser
Instruments International
GmbH + Co.
P.O. Box 2222
D-79574 Weil am Rhein
Germany
Tel. (7621) 975-02
Tx 7-73-926
Fax (7621) 9-75-345