

Duct / Immersion Temperature Sensors Type A2G-60, air2guide[™]

WIKA Datasheet A2G-60



Applications

- For temperature measurement of gaseous media in HVAC systems
- Designed to be used with PLC's and other control and display panels
- Suitable for liquid media if installed inside a thermowell

Special Features

- Easy installation
- Six selectable temperature ranges
- Compact and robust design
- Directly mounted into the process (gaseous media only)
- Comes standard with mounting flange



Duct / Immersion Temperature Sensor air2guide[™],
Type A2G-60

Description

Approvals

per EN 60 730-1 (2000)
CE-conformity: 89/336/EEG
Electromagnetic compatibility

Accuracy @ 21 °C

±1% of measuring range

Scale ranges

+32 °F...+122 °F factory set temperature
-58 °F...+122 °F adjustable via jumpers
+5 °F...+95 °F adjustable via jumpers
+14 °F...248°F adjustable via jumpers
+32 °F...+320 °F adjustable via jumpers
+32 °F...+482 °F adjustable via jumpers

Ambient temperature at the connecting head

-31...+158 °F

Power consumption

Typically 0.35 W / 0.82 VA

Output

Version "TRV": 0...10V, 3-wire, min. load 5KOhm
Version "TRC": 4 ...20 mA, 2-wire

Ingress protection

NEMA 3 (IP 65 per EN 60 529 / IEC 529)

Electrical connection

Clamps, 3-pin (3-wire)

Cable entry: single, M16 for cable with max. D = 0.3"

Stem dimensions

7.55x 0.272 inches

Other lengths available upon request

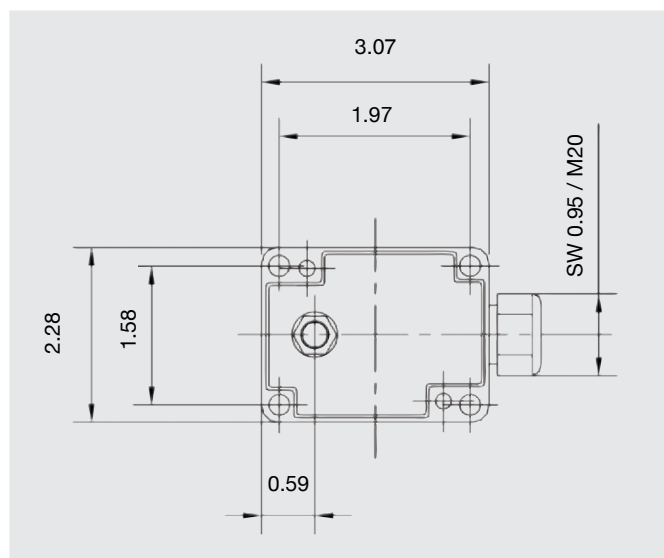
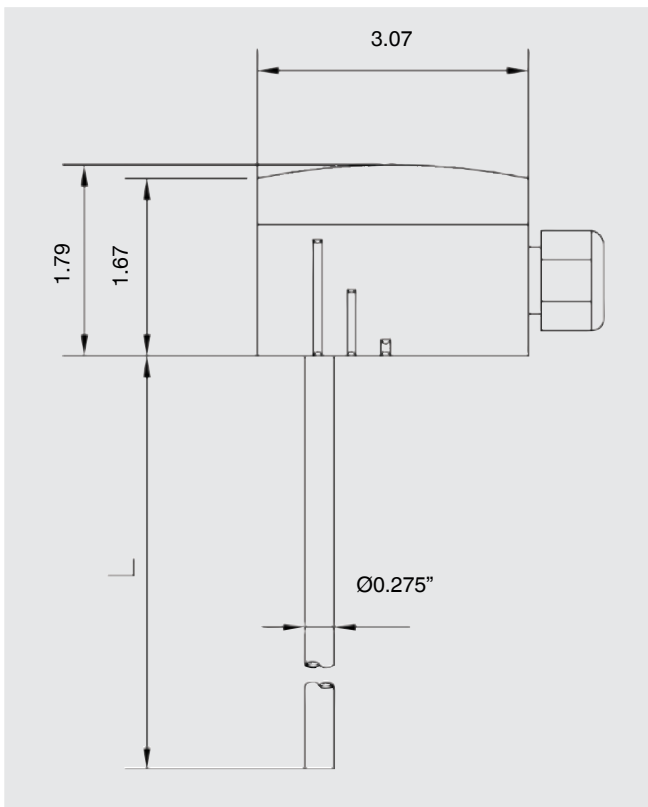
Stem material:

Stainless steel 1.4571

Temperature Limitations

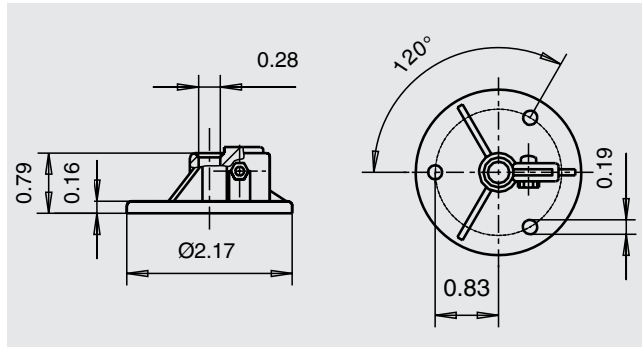
- Head temperature:
 - 31...+194 °F passive (Pt1000 and Ni1000)
 - 31...+158 °F active (TRV and TRA)
- Stem Temperatures:
 - Standard: -58 °F...+320 °F
 - High temperature version: -58 °F...+500 °F

Dimensions in inches

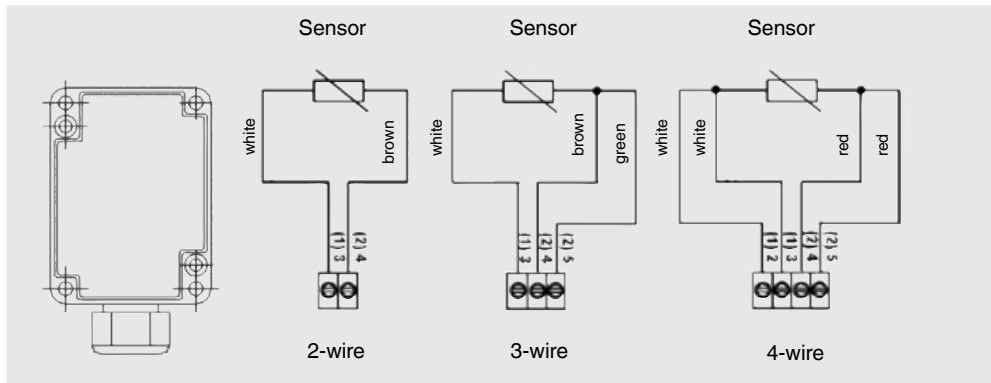


Mounting flange

- Material PA6.6, color black
- Max. +266 °F



Wiring diagram (selection) sensor Pt1000 / Ni1000



Scale range adjustment transmitter TRV

