Duct / Immersion Temperature Sensors
Type A2G-60, air2guide T

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

Description

Approvals
per EN 60 730-1 (2000)
CE-conformity: 89/336/EWG
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