Duct / Immersion Temperature Sensors
Type 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
- Configurable as a passive RTD or active transmitter

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

Accuracy @ 70 °F
±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 “TRA”: 4 … 20 mA, 2-wire
Without (sensor only)

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

**Mounting flange**
- Material PA6.6, black
- Max. temperature +266 °F

**Dimensions in inches**
RTD wiring diagram (selection) sensor Pt1000 / Ni1000

Transmitter scale range adjustment transmitter TRV