Electronic ventilation duct temperature sensor
For ventilation and air-conditioning
Model A2G-60

Applications

- For measuring the temperature of gaseous media in ventilation and air-conditioning systems
- Designed for connection to control and display systems

Special features

- Simple mounting, including mounting flange
- Compact and robust design
- Direct mounting on circular ventilation pipes or rectangular ventilation ducts
- Pt1000 or Ni1000 sensor
- Also available with electrical output signal (0 ... 10 V or 4 ... 20 mA)

Description

The model A2G-60 electronic ventilation duct temperature sensor is used for temperature measurement in heating, ventilation, air-conditioning and refrigeration systems and is primarily used in air ducts.

Mounting is performed using a mounting flange. In conjunction with an additional thermowell, the A2G-60 can also be used for temperature measurement in liquid media.

By selecting the appropriate measuring elements, the ventilation duct temperature sensor is compatible with all commonly used control systems. The A2G-60 is available with Pt1000 or Ni1000 sensor but also with an integrated transmitter (0 ... 10 V or 4 ... 20 mA).
# Specifications

**Electronic ventilation duct temperature sensor, model A2G-60**

| Measuring element | Temperature probe passive (Pt1000, A DIN and Ni1000)  
- Standard  
- High-temperature version  
| Transmitter active (TRV/TRA) |
|---|---|
| Measuring range | -50 ... +160 °C  
-50 ... +260 °C  
0 ... 50 °C  
-50 ... +50 °C  
-15 ... +35 °C  
-10 ... +120 °C  
| Accuracy | ±1 % of measuring range  
| Power consumption | 0.35 W / 0.82 VA  
| Transmitter output | TRV 0 ... 10 V, min. load 5 kΩ, connection terminal, 3-pin (3-wire)  
TRA: 4 ... 20 mA (2-wire)  
| Probe sleeve | Stainless steel 1.4571  
| Insertion length L | 192 mm, Ø 7 mm  
Option: L = 62, 135, 240, 320, 392, 465 mm  
| Mounting flange | Material PA6.6, colour black  
Max. +130 °C  
| Electrical connection | Cable gland M16  
| Permissible temperatures | Head temperatures  
- Temperature probe passive (Pt1000, 1/3 DIN and Ni1000)  
- Transmitter active (TRV/TRA)  
- Probe sleeve  
| Ingress protection | IP65  
| Weight | 150 g  

---

Page 2 of 4

WIKA data sheet TE 62.90 ∙ 08/2017
Dimensions in mm

![Dimensions diagram]

Electrical connection (sensor Pt1000/Ni1000)

![Electrical connection diagram]
Approvals

<table>
<thead>
<tr>
<th>Logo</th>
<th>Description</th>
<th>Country</th>
</tr>
</thead>
<tbody>
<tr>
<td>☀</td>
<td>EU declaration of conformity</td>
<td>European Union</td>
</tr>
<tr>
<td></td>
<td>- EMC directive</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- RoHS conformity</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- WEEE directive</td>
<td></td>
</tr>
<tr>
<td>☀</td>
<td>EAC (option)</td>
<td>Eurasian Economic Community</td>
</tr>
<tr>
<td>☀</td>
<td>KazinMetr (option)</td>
<td>Kazakhstan</td>
</tr>
<tr>
<td></td>
<td>Metrology, measurement technology</td>
<td></td>
</tr>
<tr>
<td>☀</td>
<td>MTSCHS (option)</td>
<td>Kazakhstan</td>
</tr>
<tr>
<td></td>
<td>Permission for commissioning</td>
<td></td>
</tr>
<tr>
<td>☀</td>
<td>UkrSEPPro (option)</td>
<td>Ukraine</td>
</tr>
<tr>
<td></td>
<td>Metrology, measurement technology</td>
<td></td>
</tr>
<tr>
<td>☀</td>
<td>Uzstandard (option)</td>
<td>Uzbekistan</td>
</tr>
<tr>
<td></td>
<td>Metrology, measurement technology</td>
<td></td>
</tr>
</tbody>
</table>

Certificates (option)

- 2.2 test report
- 3.1 inspection certificate

Approvals and certificates, see website

Scope of delivery

- Electronic ventilation duct temperature sensor
- Mounting flange

Ordering information

Model / Measuring element / Insertion length L / Approvals / Certificates / Options