Air Velocity Transmitter
Type A2G-20

Applications
- For measuring air velocity and temperature in gaseous media of heating, ventilation and air-conditioning systems
- Building automation and process control systems
- Supply and exhaust fan tracking
- Clean room control systems

Special Features
- Simple installation
- High reliability
- Three air velocity ranges, one temperature range selectable by jumpers
- Two output signals in one instrument
- Comes standard with duct mounting flange

Standard Features

Design standards
- EMC directive: 2004/108/EC
- RoHS directive: 2002/95/EC
- Low voltage directive: 2006/95/EC
- WEEE directive: 2002/96/EC

Measuring ranges
Air velocity:
- Measuring range 0...390 FPM (2 m/s), 0...1,970 FPM (10 m/s) and 0...3,940 FPM (20 m/s)
- (Range selectable via jumper. Unit cannot be selected)
- Temperature: +32...+122°F

Accuracy
Air velocity:
- Measuring range 0 ... 390 FPM : < 19.6 FPM (±) 5% of measured value
- Measuring range 0...1,970 FPM : < 98.1 FPM (±) 5% of measured value
- Measuring range 0 ... 3,940 FPM : <196.2 FPM (±) 5% of measured value
- Temperature: <0.5 °C (<1.2 °F)

Operating temperature
- Ambient: +32 ... +122 °F
- Storage: -4 ... +158 °F
- Operation: +32 ... +122 °F, max. 85% rH

Ingress protection
- IP 54 per EN 60529 / IEC 529 (NEMA 3)

Standard features

Measuring element
- Pt1000 and NTC10k

Case
- Plastic (ABS)

Electrical connection
- PG-gland M16
Output signal
Air velocity:
0 … 10 V (linear to FPM), load min. 1 kOhm or
4 … 20 mA (linear to FPM), load max. 400 Ohm
Temperature:
0 … 10 V (linear to °F), load min. 1 kOhm or
4 … 20 mA (linear to °F), load max. 400 Ohm

Supply voltage
AC/DC 24 V ±10 %

Type of mounting
Duct installation

Standard accessories

Wiring diagram

Mounting flange

Options
- LC display for measured value display
- LC display for measured value display and relay (potential-free, change-over contact, max. AC 250 V, 6 A, DC 30 V, 6 A, adjustable switch point and hysteresis)

Dimensions in inches

The specifications given in this document represent the state of engineering at the time of publishing. We reserve the right to make modifications to the specifications and materials.