Differential Pressure Transmitters
Type A2G-55, air2guide ECO

Applications

- Measuring the differential pressure of air and other non-combustible and non-aggressive gases.
- Monitoring of overpressure in clean rooms and laboratories.
- Monitoring of overpressure in containment systems
- Ideal for the building automation to monitor air ventilation ducts and air filters

Special Features

- Easy installation
- Maintenance free
- Compact and robust construction

Description

Version
Electromagnetic compatibility per 89/336/EEC
2002/95/EG RoHS (restriction of the use of certain hazardous substances in electrical and electronic equipment)

Accuracy
Linearity error: ±1.0 % FS
Measuring accuracy at +32...122 °F: ±3.0 % FS
at +14...+50 °C: ±5.0 % FS
Typical overall deviation: ±2.0 % FS

Measuring ranges
0 ... 1 InWC, 0 ... 2 InWC, 0 ... 3 InWC, 0 ... 4 InWC, 0 ... 5 InWC,
0 ... 10 InWC, 0 ... 15 InWC, 0 ... 20 InWC, 0 ... 25 InWC

Maximum pressure
Ranges: 0 ... 1 InWC up to 0 ... 3 InWC: 20 InWC
Ranges: 0 ... 4 InWC up to 0 ... 25 InWC: 5 times full scale

Burst pressure
Ranges 0...1 InWC up to 0 ... 3 InWC: 40 InWC
Ranges 0...4 InWC up to 0 ... 25 InWC: 10 times of full scale

Operating temperature
Ambient: -4 ... +160 °F
Media: +14... +122 °F

Ingress protection
NEMA 3 (IP 65 per EN 60529 / IEC 529)

Weight
8.7 ounces
Standard features

Process connection
Hose barb 0.2", stainless steel

Measuring element
Piezoresistive sensor (Silizium)

Case
Plastic (ABS)

Electrical connection
PG-Gland M16

Output signal
DC 0 … 10 V, 3-wire
Optional 4 … 20 mA, 2-wire

Supply voltage
DC 13 … 32 V

Long-term stability
0 …250 to 0… 750 Pa: ±8 Pa annually
0 …1,000 to 0… 5,000 Pa: ±24 Pa annually

Ranges
0...1 inWC up to 0...3 inWC: ±0.03 inWC annually
0...4 inWC up to 0...25 inWC: ±0.10 inWC annually

Wire diagram

Dimensions in inches

Output signal DC 0 … 10 V, 3-wire

Output signal 4 … 20 mA, 2-wire