

DG-1000 Specifications:

Number of Independent Pressure Channels

- Two

Pressure Range

- -2,500 to +2,500 Pa (-10 to +10 in. H₂O)

Display resolution

- 0.1 Pa for readings 0-999.9 Pa
- 1 Pa for readings 1000 Pa and larger

Accuracy at Typical Use Conditions

- 0.9% of pressure reading or 0.12 Pa, whichever is greater

Units of Measure

- Channel A - Pa, in w.c.
- Channel B - Pa, in w.c., CFM, CFM@25, CFM@50, CFM@75, ACH50, CFM@25/ft², CFM@25/100ft², CFM@50/ft², CFM@50/100 ft², CFM@75/ft², CFM@75/100 ft² (flow units of l/s and m³/h also selectable)

Auto-zero

- On start up and then once every 10 seconds. Tilt and motion compensation between auto-zeros.

Time Averaging

- 1, 5, 10 seconds and long-term (continuous update)

Operating Temperature Range

- 42 degrees F to 115 degrees F

Storage Temperature Range

- -4 degrees F to 140 degrees F

Display

- 480 x 272 pixels, 3.75 x 2.125 inches, capacitive touch screen

Display Backlight

- User adjustable - default 40%

Power

- Two 18650 Lithium Ion batteries, replaceable, with AC charger/power adaptor included.

Battery Life

- Over 15 hours of continuous use with default settings
- 13 hours of continuous use with default settings and wifi active
- Use of Bluetooth does not significantly alter battery life of approximately 13 hours of operation.

Auto-Off

- Adjustable from 10 minutes to 2 hours

Languages Supported

- English, German, Spanish, French, Italian, Norwegian, Dutch, Portuguese, Chinese

Dimensions

- 7.0 x 4.2 x 1.4 inches

Weight

- 15.7 oz

Calibration

- Meets ASTM Standard E779-03, E1554-07, CGSB-149.10-M86, EN 13829, ISO 9972, ATTMA Technical Standard 1, NFPA 2001, RESNET AND USACE.

Recommended Calibration Interval

- Four Years