The Energy Conservatory

DG-1000 DIGITAL PRESSURE AND FLOW GAUGE

PERFORMANCE TESTING TOOLS

MOST WIDELY USED DIAGNOSTIC TOOLS BY:

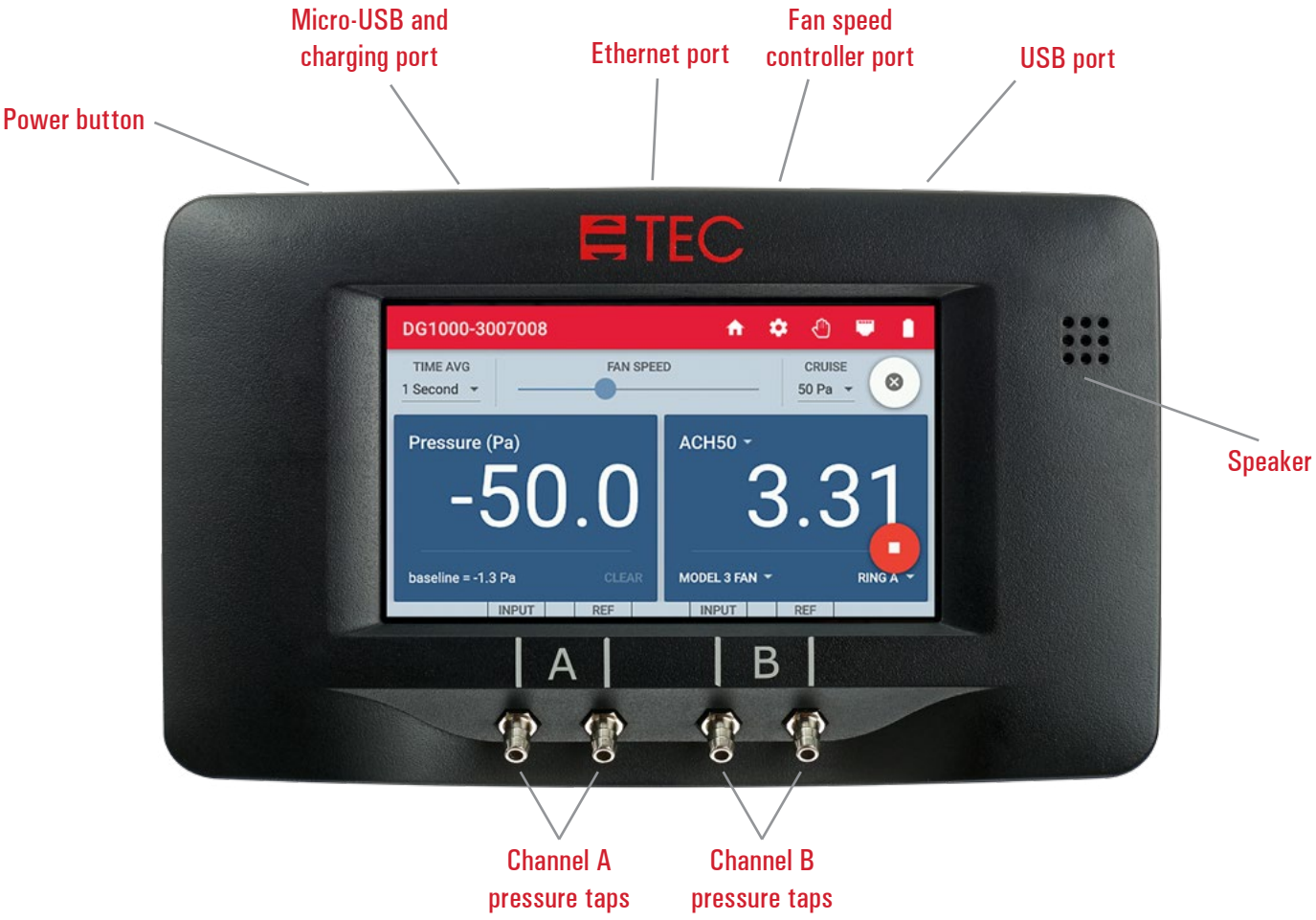
Weatherization Auditors and Crews

Home Performance Contractors

Home Energy Raters

Trainers

ANATOMY OF THE DG-1000



DG-1000 FEATURES

- **High Resolution Touch Screen:** Gives you improved visibility and usability with the touch of your finger.
- **Intelligent Micro-Processor:** Puts the power of a mini computer in the palm of your hand.
- **Future-Proof Technology:** Continually equips you with the latest software and app additions.
- **Accurate Readings at 0.9%:** Upholds your confidence of accurate results from TEC equipment.
- **Intuitive Landscape Orientation:** Makes holding the DG-1000 naturally comfortable.
- **Fan Speed Slider:** Lets you control your fan directly from the gauge for efficient testing.
- **Hold Function:** Gives you time to record readings with ease.
- **Lithium Batteries:** Equips you with a rechargeable and replaceable power source on the job.
- **Product Compatibility:** Works with all TEC equipment and software for seamless use.
- **WiFi, USB and Ethernet Ports:** Provides you with a variety of connection options.
- **Texturized Durable Case:** Ensures optimal grip in rugged environments and protects your gauge from accidental damage.
- **Powerful Mounting Magnets:** Provides dependable and convenient mounting options.

DG-1000 SPECIFICATIONS

COMPONENT	SPECIFICATIONS
No. of Independent Pressure Channels	Two
Pressure Range	-2,500 to +2,500 Pascals (-10 to +10 inches of water)
Display Resolution	0.1 Pa for readings 0 - 999.9 Pa 1 Pa for readings 1000 Pa and larger
Accuracy at Typical Use Conditions[1,2]	0.9% of pressure reading or 0.12 Pa, whichever is greater
Units of Measure	Channel A - Pascals (Future addition - inches of water) Channel B - Pascals, CFM, CFM@75, CFM@50, CFM@25, ACH50, CFM@25/ft^2, CFM@25/100 ft^2, CFM@50/ ft^2, CFM@50/100 ft^2, CFM@75/ ft^2, CFM@75/100 ft^2 (Future additions - inches of water and equivalent metric units)
Auto-zero	On start up and then once every 10 seconds
Time Averaging	1, 5, 10 seconds and long-term (continuous update)
Operating Temperature Range[3]	42 degrees F to 105 degrees F (5.5 degrees C to 40 degrees C)
Storage Temperature Range	-4 degrees F to 140 degrees F (-20 degrees C to 60 degrees C)
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 adapter included
Battery Life	Over 15 hours of continuous use with default settings 13 hours of continuous use with default settings and wifi active
Auto-Off	Adjustable from 10 minutes to 2 hours
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, ATTMA Technical Standard 1 and NFPA 2001, RESNET and US ACE
Recommended calibration interval	Two years

[1] Typical Conditions are a temperature range of 54 to 90 degrees F, and a two year calibration interval

[2] As Calibrated Accuracy is +/- (0.4% of reading + 0.045 Pa) under controlled conditions of 67 to 77 degrees F, four month calibration interval, and pressure readings averaged for 5 seconds. All gauges are verified to meet this specification at all calibration pressures.

[3] For use at temperature conditions outside the typical conditions in Note 1, or the as-calibrated range in Note 2, add an additional 0.037% of pressure reading per degree F over the stated range.

COMPLETE SERVICE AND USER SUPPORT IS BUILT IN.

All of our products come with a full two-year warranty on parts and labor, and access to the most knowledgeable customer service staff in the industry. If you have questions on the use of our products or how to handle unusual situations, you can count on us to give dependable answers. We always stock a complete line of replacement parts and can respond quickly to any service or equipment problem.

Our nearly 40 years of expertise goes beyond simply knowing about equipment. The Energy Conservatory's on-going research, active participation with technical associations, and close working relationships with the world's leading building scientists keeps us involved in the development and field testing of many of the performance testing industry's techniques. This means you always have the most up-to-date information and testing procedures.

TEC®
The Energy Conservatory

The **Minneapolis Blower Door**™ is used to measure the airtightness of homes and buildings.

The **Minneapolis Duct Blaster®** is used to measure the airtightness of ductwork.

The **TrueFlow® Air Handler Flow Meter** is used to measure the total amount of air moving through an air handler.

For nearly 40 years, TEC equipment has been the equipment of choice for energy raters, HVAC contractors, builders, insulation contractors, weatherization professionals and utility programs.

- **The most accurate**
- **Easy to use**
- **Dependable**
- **Backed by industry-leading tech support**

To order, or for more information contact:

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