

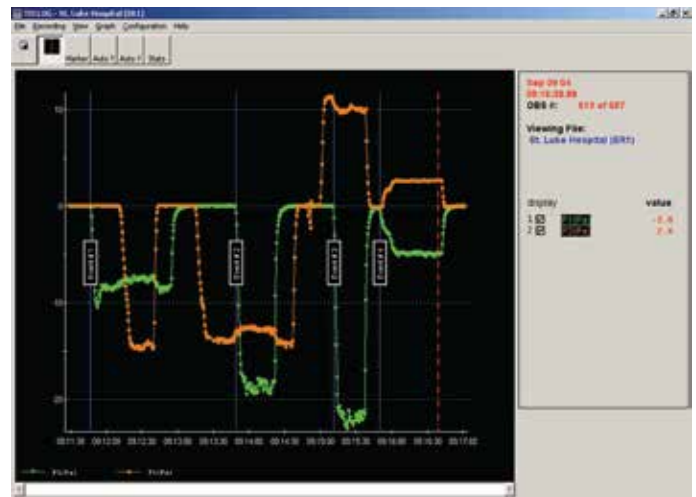
# DG-500 Digital Pressure Gauge

The **DG-500 Digital Pressure Gauge** is a hand-held, high-resolution differential pressure gauge with 2 independent measurement channels. Its dual pressure channels and air velocity measurement features make it ideally suited for a wide range of building performance testing applications, including:

- **Building pressurization and depressurization mapping**—Accurately measure pressure imbalances from one room to another, such as isolation suites or manufacturing clean rooms.
- **Combustion safety testing**—With 2 independent channels you can determine the effect of exhaust fans on both the combustion flue and the appliance room.
- **Air handler and duct pressure measurements**—Measure total external static pressure at the air handler, duct work static pressures and air velocity to help diagnose airflow performance problems.

## DG-500 Gauge Features

- Simultaneous display of 2 independent differential pressure channels.
- Industry best accuracy,  $\pm 1\%$  of reading from  $-1,250$  to  $+1,250$  Pascals, or  $-5$  to  $+5$  inches of water.
- Auto-zeroing of both channels ensures accurate readings regardless of position and temperature.
- Choose from 4 time-averaging options, 1, 5, 10 second average and Long-Term or continuous average.
- Choose fpm or m/s velocity units on Channel B when used with a Pitot Tube.
- A HOLD button temporarily freezes the most recent display readings.
- Use the DG-500 gauge with a computer and TECLOG for Windows® software to conduct data logging of pressure measurements from both channels.
- Two year calibration.



## Go wireless without buying a new gauge.

Now you can wirelessly monitor and control your DG-500 gauge by attaching it to our new TEC WiFi Link device. Our software, which is available online, lets you create a wireless network that can be picked up by any computer or mobile device with WiFi capability. And the best part is, you do

NOT have to buy a new gauge to add this wireless technology to your system. For more information on TEC WiFi, download the free brochure on our website.

# DG-500 Digital Pressure Gauge Specifications

Number of Independent Pressure Channels	2
Pressure Range	-1,250 to +1,250 Pascals (-5 to +5 inches of water)
Display Resolution	0.1 Pascals (0.0001 inches of water)
Accuracy	1% of pressure reading or 0.15 Pascals, which ever is greater.
Units of Measure	Channel A—Pascals, inches of water Channel B—Pascals, inches of water, fpm, m/s
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	32° F to 120° F (0° C to 48° C)
Storage Temperature Range	-4° F to 160° F (-20° C to 71° C)
LCD Display	3.193 x 1.16 inches (8.11 x 2.946 cm)
Display Backlight	Manually operated, timed off after 10 minutes
Power	6 - AA alkaline batteries supplied. AC power adapter optional.
Battery Life (Alkaline)	Over 100 hours continuous use
Auto-Off	After 2 hours from last keyed entry, unless disabled by user
Modes	Pressure/Pressure and Pressure/Velocity
Data Logging	Data logging of pressure measurements from both channels requires TECLOG for Windows® (available free at <a href="http://www.energyconservatory.com">www.energyconservatory.com</a> ) and a USB cable (included) to connect the DG-700 to a computer
Dimensions	7.5 x 4 x 1.25 inches (19.5 x 10.16 x 3.175 cm)
Weight	16.5 oz. (0.468 kg)
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 is 2 years.

Specifications subject to change without notice.

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**The DG-500 Digital Gauge Kit includes:** DG-500 Digital Pressure Gauge; protective carrying case; static pressure probe; 10 ft (3 m) red hose; 15 ft (5 m) green hose; 16 ft (5 m) USB cable A to mini B; instruction manual and 2 year warranty

## Complete service and technical 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 30 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.

To order, or for more information contact:



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