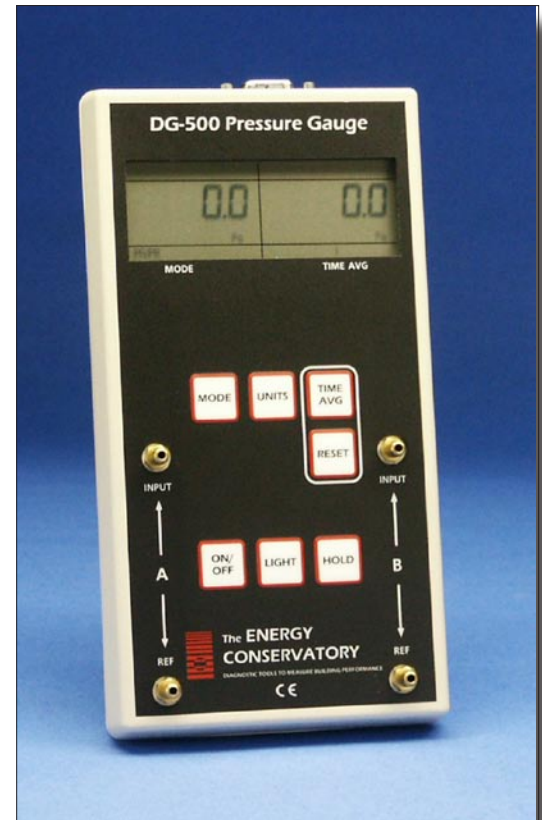


DG-500 Digital Pressure Gauge

Today's building performance test procedures require diagnostic tools that are versatile, accurate and easy to use. The Energy Conservatory's new DG-500 Digital Pressure Gauge combines all these qualities into a sophisticated hand-held gauge that sets a new standard for performance testing equipment. The DG-500's advanced design gives you the power and flexibility needed to handle all types of building performance investigations.

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

- 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.



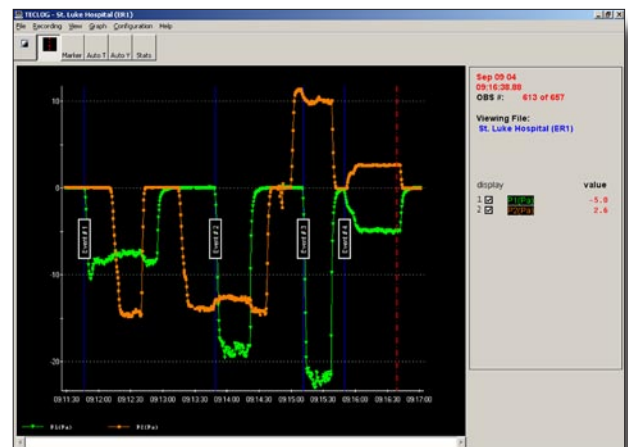
Quality Features

- Simultaneous display of 2 independent differential pressure channels, A and B.
- Accurate pressure measurements, $\pm 1\%$ of reading from $-1,250$ to $+1,250$ Pascals, or -5 to $+5$ in. H_2O .
- Auto-zeroing of both measurement channels adjusts for position and temperature during operation.
- Choice of 4 time-averaging options, 1, 5, 10 second average and Long-Term or continuous average.
- Choice of velocity units on Channel B, fpm or m/s.
- A HOLD button temporarily freezes the most recent display readings.
- The DG-500 can be used along with a computer and TECLOG for Windows® software to conduct data logging of pressure measurements from both channels.

TECLOG is free data logging software that will record and graphically display pressure measurements from the DG-500. TECLOG is also capable of data logging from two DG-500 Gauges providing you with 4 channels of precision pressure measurement at a fraction of the cost of most pressure data loggers.

The DG-500's versatility and advanced features make it a "must have" tool for all performance testing contractors. Diagnostic tools from The Energy Conservatory are the cornerstones to more efficient, affordable, and healthy buildings and HVAC systems.

Call us for more information!



**The ENERGY
CONSERVATORY**

DIAGNOSTIC TOOLS TO MEASURE BUILDING PERFORMANCE

specifications

Number of Independent Pressure Channels: 2
Pressure Range: -1,250 to +1,250 Pascals (-5 to +5 in. H₂O)
Display Resolution: 0.1 Pa (0.0001 in H₂O)
Accuracy: 1% of pressure reading or .15 Pa, whichever is greater.
Units of Measure: Channel A – Pascals, in. H₂O
Channel B - Pascals, in. H₂O, 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 in. (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.
Weight: 16.5 oz. (0.468 kg)
Dimensions: 7.5 in. x 4 in. x 1.25 in. (19.5 cm x 10.16 cm x 3.175 cm)

Modes

Pressure/Pressure and Pressure/Velocity

Data Logging

Data logging of pressure measurements from both channels requires TECLOG for Windows®, available free at www.energyconservatory.com, and a serial cable to connect the DG-500 to a computer.

Digital Gauge Kit include:

DG-500 Digital Pressure Gauge, protective carrying case, static pressure probe, 10 ft (3 m) red hose, 15 ft (5 m) green hose, instruction manual, 2 year warranty.

Other building diagnostic products available from The Energy Conservatory



The Minneapolis Duct Blaster® measures the airtightness of duct work.



The IR-InSight™ Infrared Camera detects hidden air leakage paths in building cavities and components.



The TrueFlow® Air Handler Flow Meter measures the total amount of air moving through an air handler.

To Order, or for more information contact: **The Energy Conservatory**

2801 21st Avenue South, Suite 160

Minneapolis, Minnesota 55407

phone: 612-827-1117

fax: 612-827-1051

e-mail: info@energyconservatory.com

website: www.energyconservatory.com

Specifications subject to change.

Minneapolis Blower Door™ is a trademark of The Energy Conservatory.

Minneapolis Duct Blaster® and TrueFlow® are registered trademarks of The Energy Conservatory. Windows is a registered trademark of Microsoft.

© The Energy Conservatory, Inc. 2004