



## The Energy Conservatory Update Fall 2007

### New Cruise Feature Without a Computer

Beginning June 2007, Cruise Control capability has been added to all new DG-700 gauges at no additional charge. This new feature allows Blower Door users to maintain a constant pressure of 50 Pa, 25 Pa or 0 Pa on a building (or room) without having to connect the DG-700 to a computer. Common applications of the Cruise Control feature include:

- Quick measurements of building airtightness using a “one-point” 50 Pa test.
- Maintaining a constant 25 Pa building pressure while conducting a “duct leakage to outside” test along with a Duct Blaster system.
- Maintaining a constant building pressure while pressure pan testing, or locating and sealing air leaks.
- Performing series leakage tests to quantify leakage rates between various zones within a building.

In order to use the Cruise Control feature you will need the following items (in addition to the “Cruise Compatible” DG-700:

- A Blower Door fan speed controller with a 3.5 mm communication jack on the side of the controller box (standard equipment since September 2004). A new speed controller costs \$125
- A fan control cable to connect the DG-700 fan control jack to the speed controller communication jack (cost \$10).

Existing DG-700 Pressure and Flow Gauges can be upgraded with the Cruise feature for \$50. The upgrade includes reprogramming the gauge and replacing the faceplate. The upgrade does not include the cost of gauge recalibration (also \$50). The turnaround time for both the upgrade and recalibration is about 3 to 4 days in our shop (assuming no additional repairs are needed).

To view more information about the new Cruise feature visit our website.



### New Fan Cooled Blower Door Speed Controller

Commonly, a Blower Door fan is left running for an hour or more while crews find and seal air leaks in a building. During this time the fan speed controller heats up significantly. Over the long run, these high temperatures can stress the speed controller components.

To help reduce this problem, TEC has redesigned the Blower Door speed controller to incorporate



a small cooling fan in the controller enclosure. Whenever the controller is turned on, the small cooling fan pulls heat out of the metal enclosure, which significantly cools the internal components. Cooler temperatures will reduce heat related problems and increase the life-span of a typical controller.

The new fan speed controller has been standard on the Minneapolis Blower Door systems since the end of April 2007. The new controller also has a communication port needed for cruise control and automated testing with the DG-700 Pressure and Flow Gauge. A new controller can be purchased for \$125. Note: To keep older speed controllers cool during extended operation, place the controller enclosure in front of the Blower Door fan so that the airflow from the Blower Door passes over the controller.

### New Prices Effective January 1, 2008

The Energy Conservatory has been able to maintain the cost of the Minneapolis Blower Door and Duct Blaster® for almost 4 years. As of January 1, we will increase prices about 4% for most products including the Blower Door and Duct Blaster. Please call for the latest prices when purchasing.

## New Infrared Camera

Over the last 4 years, infrared cameras have undergone a remarkable change. Camera prices have fallen significantly even while new and exciting features have been added. To keep up with this ever changing market, TEC has recently joined forces with FLIR Systems, the largest manufacturer of infrared cameras in the world.

TEC now stocks and sells the FLIR BCAM SD infrared camera. The BCAM SD combines an excellent image with a host of powerful cutting edge features. The large bright 3 ½ inch color LCD display includes center-point temperature and controllable temperature span adjustment. Image storage and management works just like the best digital cameras. The camera can store up to 1,000 quality images

on a removable SD memory card, and images can be easily reviewed and deleted from the camera. Each camera also comes with the easy to use QuickReport software that allows you download images to your computer, create reports, and see the temperature at every location on the image.

But that's not all. The BCAM SD has three built-in color alarms (temperature, dew point and insulation), a laser locator and a long life Li-Ion battery that gives you uninterrupted inspections for up to 7 hours on a single charge. It all comes packaged in a lightweight (1.2 pounds), ergonomic design that makes this an exceptional value. The BCAM SD has a regular list price of \$6,750. **Special News:** Between now and December 15th, Flir and The Energy Conservatory are offering a \$250 discount. Additional discounts are available when more than one camera is purchased. A copy of the BCAM DS literature is available to view and download from our website.



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## Service of Fluke and Infrared Solutions Cameras

Those customers that have purchased the IR-InSight Camera and need any repair or recalibration service will need to contact Fluke Thermography Products. Fluke service is available at 800-760-4523. You will hear a recorded menu of services. For technical support you will need to select 3, for service or repair you will need to select 4 and you will be connected to a service agent to help you.

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## Upcoming Shows

The following is a list of industry tradeshow where TEC will be exhibiting. If you are in the area, stop by the booth and see some of the new products first hand.

HVAC/R/SM Product & Equipment Trade Show, Pasadena, CA, November 14, 2007, [www.ihaci.org](http://www.ihaci.org)

National Weatherization Conference, Orlando, FL, December 7-9, [www.eere.energy.gov/weatherization/conference](http://www.eere.energy.gov/weatherization/conference)

RESNET Conference, San Diego, CA, February 18-20, 2008, [www.natresnet.org](http://www.natresnet.org)

Better Buildings Conference, Wisconsin Dells, WI, March 6-7 2008, [www.ecw.org/betterbuildings](http://www.ecw.org/betterbuildings)

ACI Home Performance Conference, Pittsburgh, PA, April 7-11, 2008, [www.affordablecomfort.org](http://www.affordablecomfort.org)

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