

Technical Bulletin: Blower Door Baseline

February 1, 2013



Some buildings have an initial pressure imbalance between the indoors and outdoors. Prior to any testing it is important account for the baseline pressure difference to ensure you are reaching - 50 Pa and capturing the most accurate readings possible. Below are the proper baseline procedures as outlined in the Retrotec and Energy Conservatory manuals.

Retrotec DM-2 *Source: Product Manual, page 19*

**Fan should have cover installed sealing the inside from the outside of the building.*

1. Press [Baseline] to begin acquiring the background pressure. The gauge displays “acquiring” and begins to sample the background pressure. While acquiring the pressure value, the gauge will continuously display the updated average pressure, and the sampling duration on the screen. The more the pressure is fluctuating, the longer the baseline samples for.
2. Press [Enter] to accept the current measurement, usually after approximately 60 seconds. If there is a lot of fluctuation, let the baseline acquire for longer than 60 seconds. The current baseline measurement, and the time taken to acquire it, is displayed at the bottom of the main screen.
3. Pressing [Exit] will clear the measurement.

The entire DM-2 Manual can be downloaded at:

<http://retrotec.com/Portals/5/Documents/Manuals/Manual-DM-2%20Operation.pdf>

Energy Conservatory DG-700 *Source: Product Manual, page 32*

1. With the fan sealed off, begin a baseline building pressure reading from Channel A by pressing the BASELINE button. The word “BASELINE” will begin to flash in the Channel A display indicating that the baseline feature has been initiated.
2. Press START to start the baseline measurement. During a baseline measurement, Channel A will display a long-term average baseline pressure reading while Channel B is used as a timer in seconds to show the elapsed measurement time.
3. When you are satisfied with the baseline measurement, press the ENTER button to accept and enter the baseline reading into the gauge. The Channel A display will now show an ADJ icon to indicate that it is displaying a baseline adjusted building pressure value.
4. Once a baseline measurement has been taken and entered into the gauge (i.e. ADJ appears below the Channel A reading), a new baseline measurement procedure can be initiated by pressing the BASELINE button.

The entire DG-700 manual can be downloaded at:

http://www.energyconservatory.com/sites/default/files/documents/mod_3-4_dg700_-_new_flow_rings_-_cr_-_tpt_-_no_fr_switch_manual_ce_0.pdf

NOTE: If you are using TECHTITE 4.0 automated blower door software for your Energy Conservatory blower door, the software will automatically adjust for the baseline.