

WHEN ACCURACY MATTERS

The Energy Conservatory's Guide to Wireless Pressure Gauges



Accuracy is the critical currency in our industry, ensuring that both you and your client can always trust important building performance test results. Unfortunately, some pressure gauge manufacturers sacrifice accuracy in their short cuts to create new functionality—such as a touchscreen display and a wireless interface—even hiding their product's deficiencies with vague or made-up accuracy measures not consistent with industry standards.

You don't have to sacrifice accuracy to gain wireless functionality. The Energy Conservatory (TEC) offers a WiFi Link accessory for the DG-700 and DG-500 Pressure Gauges—an inexpensive upgrade that transforms existing TEC gauges into incredibly precise wireless devices. TEC pressure gauges offer the most dependable readings in the industry, meeting the accuracy requirements for all performance-testing standards worldwide. In addition, TEC stands behind its products with unrivaled customer service and technical support.

To make an informed wireless pressure gauge decision, you first need to ask the right questions. Use the following information and questions to guide your wireless pressure gauge research.

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Performance Testing Tools

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Key Questions to Ask

ACCURACY

What accuracy requirements does the testing equipment meet? Are accuracy claims based on industry standards, and are they communicated consistently?

To ensure precise and trustworthy readings, TEC's gauges meet the accuracy requirements for all building performance-testing standards worldwide, such as RESNET and the U.S. Army Corps of Engineers. TEC's DG-700 is the most accurate pressure gauge on the market because no gauge ever leaves our calibration facility unless each and every reading is within our rigid accuracy specifications. We never cut corners using vague terms like "average error" because we believe that all of your pressure measurements should be accurate. Don't risk your reputation on a less accurate piece of equipment that isn't up to the most demanding industry standards.

TESTING DISTANCE

What is the communication range of the wireless device? Is a wireless router needed for the technology to work, or can it connect to a mobile device?

The WiFi Link can connect directly to your mobile device or computer over 300 feet away without using a wireless router. This power and flexibility lets you be anywhere in the house and still stay connected to your DG-700 gauge. Your job is simplified, saving you time and money, while at the same time allowing you to do a better job of testing. For example, the WiFi Link and mobile software lets you see real-time changes in building depressurization while walking around the building turning exhaust fans on and off. And if you need greater wireless testing distance, the WiFi Link works with wireless routers to extend your testing range.

BATTERY LIFE

How long is the device's battery life? How does that compare to other gauges available?

TEC's pressure gauges are designed for long-term use, which means more tests between battery changes. The DG-700 with WiFi Link provides 30 hours of continuous use, while the DG-700 without WiFi Link boasts 100 hours of battery life – the longest use time of any hand-held pressure gauge. Batteries in TEC gauges are easily replaceable, for added on-site convenience. Don't ever get stuck on a job with a lifeless gauge that must be plugged in to be used.

WiFi UPGRADE

Do I need to buy a new pressure gauge for wireless functionality, or is there a wireless upgrade option? What does it cost?

A simple and cost-effective way to expand your testing capabilities and interact with your customers and crews, the WiFi Link accessory turns existing TEC pressure gauges into state-of-the-art wireless devices. Cost of the WiFi Link by itself is only \$195—an inexpensive technology upgrade versus buying a new, more expensive gauge.

SOFTWARE

Is there a cost for the pressure gauge software and applications? What testing options does the software provide?

TEC's customer-focused gauge software and applications are comprehensive and easy-to-use, and are available at no additional cost. The iTEC-700 mobile app provides a full array of testing options, including code compliance results right on the screen, with a responsive and easy-to-use interface. And the WiFi Link works with our advanced TECTITE and TECLOG3 software, the most widely used building airtightness and data logging programs on the market.

TECHNICAL SUPPORT

What level of technical support does the company offer for its products? What experience does the technical support staff possess, and how easily can a representative be reached when needed?

TEC's technical support is unrivaled in the industry to ensure help is available when needed. TEC employees are knowledgeable in HVAC, building science, code compliance and performance testing. They also have field experience and are easily accessible without an automated phone queue. TEC also offers complimentary online manuals, training videos and tech guides.

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For industry resources, visit:

RESNET Standards (Chapter 8):
www.resnet.us/standards/RESNET_Mortgage_Industry_National_HERS_Standards.pdf

USACE Air Leakage Test Protocol (Chapter 4):
www.wbdg.org/pdfs/usace_airleakagetestprotocol.pdf

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