

Newly updated ThermalCHECK makes inline gas verification and Energy Star compliance easy and precise

The most accurate and efficient gas verification system for insulating glass is now more accurate, smaller and costs thousands less than the previous version.

Newly updated ThermalCHECK continues to be the first accurate and affordable thermal performance verification system for insulating glass. It enables you to precisely verify, immediately and right on the production floor, the gas content of your insulating glass.

A standalone tabletop gas testing system, ThermalCHECK first thoroughly mixes the gas in an airspace, then verifies the percentage of argon or krypton.

No waiting

You get an accurate reading without waiting overnight for settling. ThermalCHECK then returns 100 percent of the gas to the unit.

Operation is straightforward: Insert the test wand. Then check the screen to see if it passed or failed. The result? You know immediately if each tested unit meets your specification and Energy Star requirements.

Accuracy you can trust

ThermalCHECK is accurate, easy to use and affordable. It uses the same technology as our ThermalCHECK system, which has been tested to detect a gas to 0.5%.

How can it be this accurate? Because rather than attempting to measure the spark color or the amount of oxygen and interpolating the gas content, ThermalCHECK simply measures the actual gas in the unit.

You and your customers can know precisely how much argon or krypton is in their insulating glass. And you don't have to wait to discover an entire shift was filled improperly. *With ThermalCHECK, you detect production issues immediately.*



ThermalCHECK

Ease of use

ThermalCHECK is easy to calibrate and use. The operator connects the testing nozzle and follows the onscreen instructions.

The touchscreen displays the argon or krypton percentage, which is also printed on a label. Units that contain less than the proper amount of gas trigger the display of a large red X on the screen.



ThermalCHECK features

- ✓ Accurately tests gas content inside IG units using ThermalCERT technology
- ✓ Operator selectable for testing argon or krypton
- ✓ Easily calibrates with a computer schedule that displays on-screen alerts
- ✓ On screen alerts for out of spec units
- ✓ Prints a quality control label to apply to units that are tested

Technical information

- ✓ Computer controlled testing with touchscreen control
- ✓ Ethernet wired port for remote trouble-shooting and maintenance
- ✓ System requires gas sample bottles for calibration
- ✓ Uses standard 120 VAC

ThermalCHECK includes

- ✓ ThermalCHECK unit with operator touchscreen
- ✓ Gas wand and hose
- ✓ Label printer and roll of blank labels

ThermalCHECK versus the competition

Feature	ThermalCHECK	Others
Tests immediately after fabrication	Yes	No
Accurate to 0.5%	Yes	No
Thoroughly mixes gas before testing	Yes	No
Automatically triggers for calibration	Yes	No
Tests units with fourth surface coatings	Yes	No
Tests units with multiple low-e coatings	Yes	No
Prints label for each tested unit	Yes	No
Works for doubles and triples	Yes	No
Tests for argon or krypton	Yes	Yes

Learn more

Discover how ThermalCHECK verified thermal performance can boost your business. Contact Ryan McHugh of Integrated Automation Systems at 330.954.3070 or ryan@optigas.com.

See how to get your units to R-5 for less

You can combine coatings, gas mixtures and other factors to squeeze more insulating value into your units, even reaching R-5 and other competitive thermal targets, at lower costs than you might have thought possible. Get your copy of "Thermal Optimization of Residential Windows" on our [website](http://www.optigas.com) or by contacting Ryan McHugh at 330.954.3070 or ryan@optigas.com.

