

Sparklike is the developer of the world's first and only non-destructive gas measurement devices for insulating glass.

Sparklikes Handheld™ and Laser Portable™ are the world standard for non-destructive devices used to determine the gas concentration in insulating glass units.

Sparklike devices are used daily worldwide by the leading insulating glass producers, testing laboratories, window and door manufacturers, building quality inspectors as well as energy engineering and construction consultants.

The devices enable manufacturers to produce products that meet the ever-tightening industry and government energy standards. Sparklike has also developed a laser technology-based solution for IG line integrated gas fill measuring: **Sparklike Laser Integrated™**.

Sparklike Oy

Sparklike is the industry leader of non-destructive insulating gas measurement with devices that are developed and manufactured in Helsinki, Finland.

Since the year 2000, Sparklike has delivered over 2.000 devices all over the world.

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Non-destructive insulating gas measurement devices



Sparklike
technology
since 2000

Sparklike Handheld™

Sparklike Handheld™ is designed for non-destructively determining the argon or krypton gas concentration of insulating glass units.

The Handheld utilizes proprietary technology based on plasma emission spectroscopy. A high voltage spark is induced into the insulating unit cavity resulting in light emission. The light from this spark is measured and analyzed to determine the gas concentration.

FEATURES

- ▶ For measuring argon gas, krypton gas measurement as an option
- ▶ Easy to use with a measurement result in a quick 2 seconds
- ▶ Multiple measurements with high repeatability and accuracy
- ▶ Measurement at any point of the production process
- ▶ Portable and battery-operated
- ▶ Measured units can be used after measuring



Sparklike Laser Portable™ 2.0

Sparklike Laser Portable™ 2.0 measures insulating glass gas concentration levels on triple and double-glazed units. Measurement can be taken through coatings and laminated glasses.

The Sparklike Laser Portable™ utilizes technology based on tunable diode laser absorption spectroscopy (TDLAS). The device analyzes oxygen absorption levels and calculates results which are displayed as argon, krypton, or additional insulating gas levels.

FEATURES

- ▶ Accurate determining of IGU's glass and cavity thicknesses
- ▶ Gas concentration levels can be measured at any point in the production process, at the construction site, or after installation
- ▶ Portable device with battery
- ▶ Compact trolley unit on wheels enables on-site measuring
- ▶ Measured units can be delivered to end-user



Sparklike Laser Integrated™

The Sparklike Laser Integrated™ utilizes the same technology as the Sparklike Laser Portable™ to bring factory production quality control to a new level. Insulating glass units are measured automatically after the gas press. The results are stored in the lasers' internal memory and are transferable to the factory's ERP-system.

FEATURES

- ▶ All production insulating glass units are measured for complete quality control records
- ▶ Measurements included in the quality report – traceability
- ▶ Control and optimization of the gas press
- ▶ Integration to any insulating glass assembly line
- ▶ Complete turn-key installation

