

Sparklike®

SPARKLIKE LASER PORTABLE™ 2.3

NON-DESTRUCTIVE INSULATING GAS MEASUREMENT DEVICE

For double and triple glazed insulating glass units with coatings and lamination

Features

- **RELIABLE GAS MEASUREMENT IN COMPLEX IGU STRUCTURES**
Measure gas content in most coated and laminated insulating glass units without damage.
- **GAS CONCENTRATION PER CAVITY WITH AUTOMATIC AVERAGE**
Measures each cavity and calculates overall gas concentration.
- **GLASS THICKNESS MEASUREMENT**
Measure glass thickness for accurate gas analysis.
- **WIRELESS CODE SCANNING**
Code reader for unit identification and traceability.
- **IMPROVED SOFTWARE AND USER INTERFACE**
Clear data display for efficient daily operation.
- **COATING SCANNER (OPTIONAL)**
Detects coating positions for reliable measurement conditions.

Benefits

- **COMPREHENSIVE QUALITY CONTROL FOR EVERY UNIT**
Measure gas concentration, glass thickness, cavity thickness, and overall IGU structure.
- **MEASURE AT ANY STAGE OF THE VALUE CHAIN**
Perform measurements during production, in the lab, on-site, or after installation.
- **NO PRODUCTION LOSS**
Non-destructive testing ensures all measured units remain sellable.
- **ACCURATE AND STANDARD-COMPLIANT RESULTS**
Proven accuracy ($\pm 2\%$) compliant with EN 1279-3.
- **FULL TRACEABILITY AND DATA LOGGING**
Store and access measurement data for reporting, audits, and process improvement.
- **PORTABLE AND VERSATILE FOR DAILY USE**
Battery-operated device designed for production, laboratory, and field environments.

Technical capabilities

THICKNESS MEASUREMENT ACCURACY

$\pm 50 \mu\text{m}^*$

REPEATABILITY OF THE GAS MEASUREMENTS

$\pm 2\%^{***}$

MEASUREMENT TIME

18–21 s / DGU and 22–28 s / TGU

MAXIMUM IG THICKNESS

51 mm from surface 1 to 3 / DGU
from 1 to 5 / TGU

MEASUREMENT RANGE

1–97 %

GLASS THICKNESS RANGE

2–23 mm

SPACER BAR RANGE / CAVITY DIMENSION

4–40 mm

MAX. INPUT POWER

250 W

CONNECTIONS

RJ-45, 2x USB 2.0

DISPLAY

12" Touch Screen, 1920x1080px

DATA LOGGING CAPABILITY

Virtually unlimited

BATTERY

2x 7.5 Ah LiFePO₄, 12,8 V

WEIGHT

28 kg

MAIN UNIT DIMENSIONS

420 x 325 x 585 mm

MEASURING HEAD DIMENSIONS

320 x 195 x 310 mm

DEVICE IN OPERATION

420 x 390 x 1300 mm

* Typical construction of the insulating glass unit

** At least 30 measurements are needed that 95 % confidence interval is valid



MEASURE AT THE PRODUCTION LINE



ON-SITE MEASURING

Contact us

sales@sparklike.com

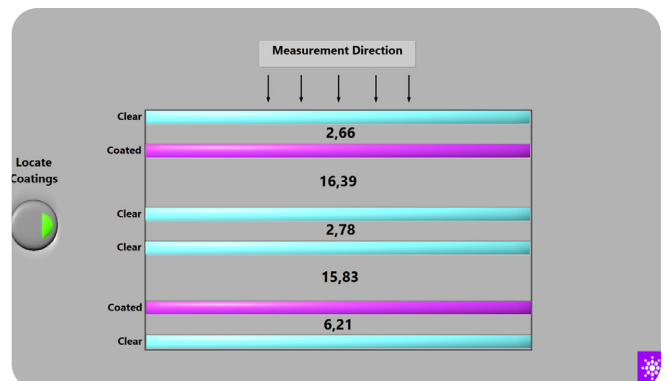
Sparklike Oy, Helsinki, Finland

Contact your local distributor

sparklike.com/en/contact-us



COMPACT DEVICE ON WHEELS



COATING SCANNER