

UV SCAN MACS



powered by
PRUUE

MACSREADER / MACSSTRIPS

New & innovative UV measurement technique based on photophysics
LED-UV measurement

FEATURES

- Photophysics instead of colour change
- Storage under normal room conditions
- Conventional lamp & LED compatible in converting & printing applications
- Measurement positions defined by stencil

BENEFITS

- Accurate
- Repeatable
- Stable
- Easy to use

UV MEASUREMENT WITH MACSSTRIPS AND MACSREADER

Our new UV Scan MACS system combines macsStrips for different dose ranges with the robust, industrial-grade macsReader to boost process reliability and minimize production waste. The Hoenle macsReader evaluates the exposed strips, while also enabling documentation and secure storage of results. Thanks to an easy calibration step performed before each measurement, results are consistently precise and dependable.

MACSSTRIPS

- Enables precise and reliable UV dose measurement
- Based on an innovative technology with delayed phosphorescent emission
- Minimal thickness and high flexibility allow measurement on surfaces with difficult access

APPLICATIONS

- UV inks, coatings, and quality control
- Printing, converting, and coating industries, automotive, aviation, and pharmaceutical industries
- Electronics, microelectronics, precision engineering, optical, and photovoltaics production processes
- Adhesive and disinfection applications coming soon

KEY FEATURES

- Various strips for UV dose detection for mercury, iron, and gallium lamps within 20 – 700 mJ/cm² (integrating 235 – 380 nm)
- Robust adhesive, also for vertical web paths

SPECIFICATIONS

- Dimensions: 2 cm × 7 cm – Thickness: < 250 µm
- Storage under normal room conditions (shelf-life ~12 months)
- Readout time after exposure: up to 1 h

OPERATING CONDITIONS

- Up to 60 °C during exposure
- Relative humidity up to 75%
- Air or inert atmosphere

MACSREADER

- Intuitive handling and operation
- Easy and quick calibration prior to each measurement
- Battery-based and stand-alone design

KEY FEATURES

- Storage of measurement results on the device (offline, not cloud-based)
- Transfer to PC for further analysis coming soon
- Stencil for defined measurement positions

SPECIFICATIONS

- Compact dimensions: 160 x 60 x 60 mm
- Durable LED-based optical device to read out macsStrips

Name	Spectrum	Dose	Available
macsStrips 700 UV	Hg, Fe, Ga	200 – 700 mJ/cm ²	Q1 / 2025
macsStrips 100 UV	Hg, Fe, Ga	20 – 100 mJ/cm ²	Q1 / 2025
macsStrips 500 LED 385/395	LED 385/395 nm	Up to 500 mJ/cm ²	Coming soon

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Operating parameters depend on production characteristics and may differ from the foregoing information. We reserve the right to modify technical data. © Copyright Hoenle AG. Updated 11/25