

## UV SCAN MACS



powered by  


### 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 adhesives, quality control
- Printing, converting, coating, and bonding applications
- Manufacturing processes in the (micro)electronics, precision engineering, optics, automotive, aerospace, and pharmaceutical industries
- Disinfection applications coming soon

## KEY FEATURES

- Various strips for UV dose detection for mercury, iron, and gallium lamps within 20 – 700 mJ/cm<sup>2</sup> (integrating 235 – 380 nm) and LED-UV lamps within 60–950 mJ/cm<sup>2</sup> (integrating 365, 385, and 395 nm)
- Robust adhesive, also for vertical web paths

## SPECIFICATIONS

- Dimensions: 2 cm × 7 cm – Thickness: < 450 µm
- Storage under normal room conditions (shelf-life ~12 months)
- Readout time after exposure: up to 1 h

Name	Spectrum	Dose	Available
macsStrips 700 UV	Hg, Fe, Ga	200 – 700 mJ/cm <sup>2</sup>	Q1 / 2025
macsStrips 100 UV	Hg, Fe, Ga	20 – 100 mJ/cm <sup>2</sup>	Q1 / 2025
macsStrips 900 LED	LED 365/385/395 nm	60 – 950 mJ/cm <sup>2</sup>	Q2 / 2026

## 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

**Hoenle AG**  
Nicolaus-Otto-Str. 2  
82205 Gilching  
Germany

Phone: +49 8105 2083-0  
equipment@hoenle.com

[www.hoenle.com](http://www.hoenle.com)



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