

**Accuracy. Repeatability.
Stability. Ease of use.
Powered by Physics.**



powered by
PRUOVE

UV Scan MACS

macsReader / macsStrips

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

Features

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

Advantages

- Accurate.
- Repeatable.
- Stable.
- Easy to use.

UV measurement with macsStrips and macsReader

By using our new UV Scan MACS system, consisting of macsStrips for various dose ranges and the reliable and industrial grade macsReader, process reliability is definitively increased and production waste is minimised. The exposed strips are read out with the Höhle macsReader, which also allows the documentation and storage of results. The results are highly reliable – even more due to a convenient calibration step directly before each measurement.

macsStrips

Product Overview

- 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 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

Product Overview

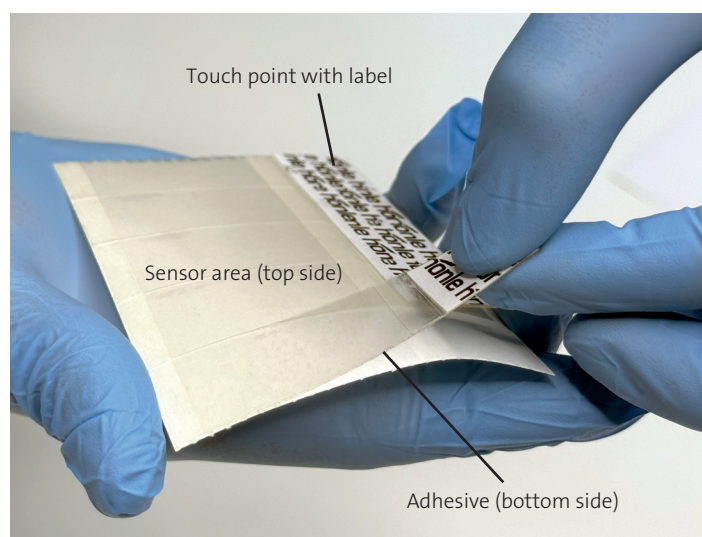
- Intuitive handling and operation
- Easy and quick calibration prior to each measurement
- Battery-based and stand-alone design

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 Hg	Mercury	200 - 700 mJ/cm ²	Q1 / 2025
macsStrips 100 Hg	Mercury	20 - 100 mJ/cm ²	Q1 / 2025
macsStrips 500 LED 385/395	LED 385/395 nm	Up to 500 mJ/cm ²	Coming soon