UV ANALYZER
MEASURING DEVICE

THE UV ANALYZER IS AN APP-BASED UV MEASUREMENT DEVICE. IT CONSISTS OF THE UV ANALYZER APP FOR ANDROID AND IOS, THE UV ANALYZER SELF-ADHESIVE STRIPS AND THE UV ANALYZER STICK.

The app can be downloaded via the App Store from App Store® from Apple® or via Google Play free of charge. The UV Analyzer measuring strips and stick are distributed by IST.

Measuring is quite easy. Put the strip on your substrate, irradiate it with UV and measure the strip with the stick. The app will show you the measured dose in mJ/cm^2. This dose value can be compared with your reference value to determine aging. Reference values for the UV analyzer are determined directly by you on site when the system is new. The measurements can be exported for quality assurance and documentation.

Scope of delivery UV Analyzer:
UV Analyzer Stick and reference white, charging cable, lanyard, measuring strips

CONSUMABLE:
- Set measuring stripes (1 PU = 12 measuring strips)
- Economy Package 18: 6 Sets, 3 x dispatch every four months (6 PU x 3 = 216 measuring strips)
- Power Package 36: 12 Sets, 3 x dispatch every four months (12 PU x 3 = 432 measuring strips)

TECHNICAL DATA

- dimensions HxWxD: 6 cm x 1,8 cm x 1,6 cm
- weight: 16 g
- rechargeable battery with USB
- connectivity: Low Energy Bluetooth (old name: Smart Bluetooth)

FEATURES

- recommend UV dose between 200 mJ/cm^2 and 2000 mJ/cm^2, varies depending on aggregate and spectrum
- UV Analyzer for UV and LED units

Use gloves and stick the measuring strip on a white (light) substrate

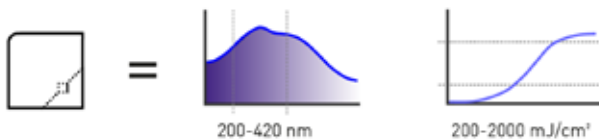Irradiate the measuring strip with UV light; the measuring strip turns dark blue

Take the measurement with the UV stick and transfer to the app via Bluetooth

TECHNICAL SPEZIFICATION

Store between 0 and less than 18 degrees, no direct sunlight, protect from liquids and contact materials, store measuring strips in supplied packaging, observe shelf life.

Recommended measuring range for dose from approx. 200 - 2000 mJ/cm^2.

For further information on our website in the FAQs

PERFORMANCE OF THE MEASUREMENT

1 Enter the UID on the light-protected packaging in the UV Analyser app.

2 Use gloves and remove the measuring strips from the light-protected packaging. Separate individual measuring strips. The measuring strip has a practical peel-off aid. Do not touch the measuring strip with your fingers.

3 Recommended processing time until irradiation 15 min, remove measuring strip and stick on a white (light) substrate. After irradiation, evaluate the measuring strip within 15 minutes. Call up the app, select a suitable UV reference depending on the unit and enter the measurement data. The app recognizes the measuring strip and saves the photo for documentation purposes.

4 Irradiate the measuring strip with UV light; depending on the irradiation dose, the measuring strip turns dark blue. Each UV lamp should always be measured individually.

5 Place the UV stick on the measuring strip and take the measurement. The measured value is transferred to the app via Bluetooth. A measurement protocol is created. Measurement protocols can be shared. A maximum of 25 measurements can be saved.

WE HAVE THE CURE

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