

MOBILE UV MEASUREMENT

INSPECTION UNITS FOR MEASURING UV RADIATION INTENSITY

PRINCIPLE

With the mobile UV measurement system UV radiation intensity is not continuously measured but only when required during the production process. Thanks to the high precision of measurement a control of the production parameters and of the UV output is possible in good time. Thus downtime is avoided and production costs are reduced. The mobile measurement can also be used to compare diverse UV units with regard to efficiency.

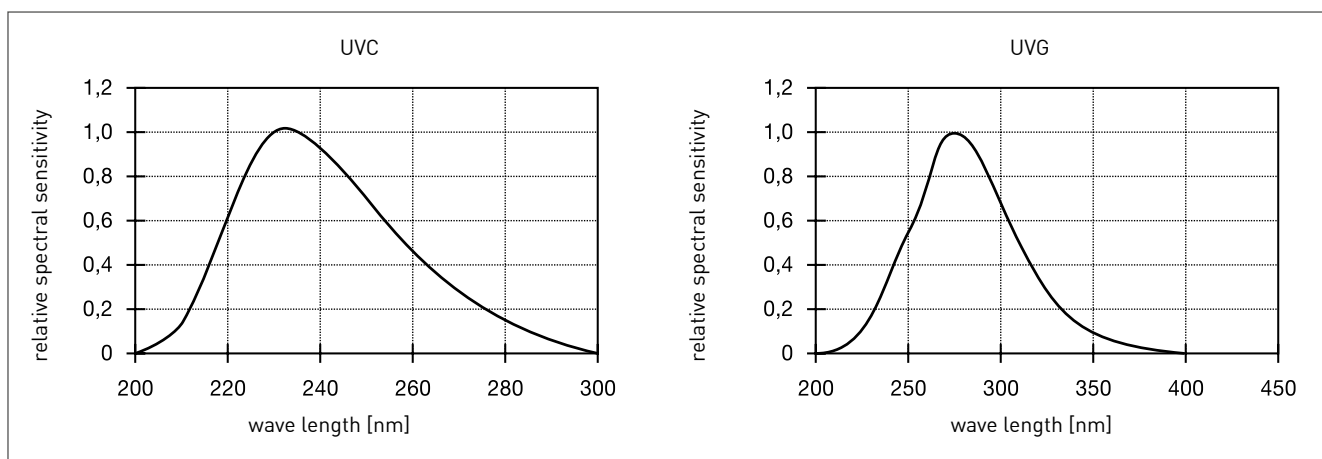
There are two measuring devices available. Depending on the requirements, the UMS-2 which is composed of a display and of a sensor head which is available in two versions. The UMF sensor head is universally adaptable, whereas the UMI sensor head requires a preparation of the unit. Where there is a conveyor, the UMD-2 dosimeter can be used.

It is equipped with a measuring probe situated on the back side of the device.

FUNCTIONING OF THE UMS-2 AND OF THE UMD-2

- The sensor in the sensor head also detects inclined radiation incidence according to the cosine of the incidence angle and is resistant to ageing despite intense UV radiation
- The device is calibrated by the manufacturer
- The solid aluminium housing prevents damage
- Easy operation and measurement
- A strong case (including UV protection glasses) facilitates transport

MEASURING RANGE



UMS-2 WITH SENSOR HEAD UMI

Characteristics

Measuring range:	20 – 19.999 mW/cm ²	
	UVG	
Measuring accuracy:	± 5%	
Battery:	1 x 9 V IEC 6 LF 22	
Current consumption:	max. 30 mA	
Service temperature:	Sensor head UMI	100°C
	Display UMS-2	40°C
Dimensions:	Height of sensor head UMI	∅ 6 mm
	Display UMS-2	150x80x36 mm
		(l x w x h)



UMS-2 WITH SENSOR HEAD UMF

Characteristics

Measuring range:	20 – 19.999 mW/cm ²	
	UVG (Standard), UVC (Option)	
Measuring accuracy:	± 5%	
Battery:	1 x 9 V IEC 6 LF 22	
Current consumption:	max. 30 mA	
Service temperature:	Sensor head UMF	100°C
	Display UMS-2	40°C
Dimensions:	Height of sensor head UMF	8 mm
	Display UMS-2	150x80x36 mm
		(l x w x h)



UMD-2

Characteristics

Measuring range:	20 – 19.999 mW/cm ² bzw. mJ/cm ²
	UVG (Standard), UVC (Option)
Measuring accuracy:	± 5%
Battery:	4 x 2,4 V Ni/MH-storage batteries
Current consumption:	max. 50 mA
Service temperature:	0°C bis 50°C
Dimensions:	160 x 90 x 17 mm (length x width x height)



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