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UV Monitor RM-31

Fig. 1: UV Monitor RM-31

The mains-driven display device RM31 serves with the respective sensors for a continuous radiometric control of lamps, especially UV radiators. Different UV and visible spectral ranges can be controlled with the corresponding sensors. The device displays the current irradiance on a 0 to 100% scale and also the lamp condition on a LED traffic light. The two alarms (warning and failure) are available on relay contacts and can be used for switching warning and failure signals. An additional analog signal can be used to control the lamp power. A digital display is optionally available.

Applications

- Control of light sources and irradiation systems
- Stabilization and control of irradiances

Technical Data

Irradiance range:	depending on sensor
Amplification:	1 to 100, continuous
Spectral ranges:	UV-C 200 to 280 nm
	UV-B 280 to 315 nm
	UV-A 315 to 400 nm
	VISB 400 to 480 nm
	VISBG 400 to 570 nm
	VISL V(λ)
Dimensions:	91 x 43 mm
Depth:	ca. 140 mm
Mains:	230 VAC, 200 mA
Alarm threshold:	0 to 100%, continuous
Alarm hysteresis:	typical 5%
Alarm contacts:	2x 250 V, 1 A
Alarm delay:	30 to 130 s
Signal voltage:	0-10V
Signal current:	0-20mA or
	4-20mA (RL_{max}=500Ω)
Operation temp.:	0 to 40 °C
Storage temp.:	-10 to 40 °C
Humidity:	< 80%
	Non-condensing

Part numbers

UV Monitor RM-31 analog	820370
UV Monitor RM-31 digital	820371
(Measuring device without sensor)	

For sensors see product sheets:

- Radiometer UV sensors
- Radiometer VIS sensors
- Pressurized water UV sensors (UVC-S, UVC-Mini)
- UV Measuring probes UVx-L

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