

UV panel meter RM-31



Panel meter RM-31

The mains-driven panel meter RM-31 provides a continuous and precise measurement of irradiances of lamps, especially in UV systems. Different UV and visible spectral ranges can be controlled with the corresponding sensors.

The RM-31 works as a UV monitor and lamp control. The device displays the current irradiance on a 0% to 100% scale and also the lamp condition with three colored LEDs. Two alarms (warning and failure) are available on relay contacts and can be used for process monitoring. An additional analog signal can be used to control the lamp power.

RM-31 can be used for example with:



Curing sensors



Water pressure proof sensor UVC-S

SCOPE OF DELIVERY

RM-31, manual

TECHNICAL DATA

Sensor signal input	photo diode current
Gain	1 to 100%, continuous
Alarm threshold	60% and 80%
Alarm hysteresis	typical 5%
Alarm contacts	2 x 250 V, 1 A, N/C or N/O
Alarm delay	30 s to 130 s
Voltage output	0 - 10 V
Current output	0 - 20 mA or 4 - 20 mA RL = 500 Ω, max
Dimensions	91 x 43 mm DIN 43700
Depth	~ 140 mm
Mains	230 V, 50 Hz, 200 mA
Mains	0 to 40 °C
Storage temperature	-10 to 40 °C
Humidity	< 80%, non-condensing

PART NUMBERS

RM-31 (high sensitivity, relay N/O, alarm closed)	820371H_NO
RM-31 (high sensitivity, relay N/C, alarm open)	820371H_NC
RM-31 (normal sensitivity, relay N/O, alarm closed.)	820371N_NO
RM-31 (normal. sensitivity, relay N/C, alarm open)	820371N_NC