

UV-Monitoring PC2516

- + up to 16 channels
- + individual UV measuring of 16 lamps
- + MINI ITX computer in 19" rack
- + radio controlled keyboard
- + TFT monitor 7"
- + UV intensity in % rel. (option: mW/cm²)
- + display of 16 lamps simultaneously
- + Alert function
- + optical light guides for temp. up to 350 °C / 660°F (option)



The UV-Monitoring PC2516 is a stationary, Mini ITX computer based surveillance system for UV Curing systems.

Permanent measuring and indication of the UV-Intensity of up to 16 UV lamps.

The system is based on a MINI IDX computer installed in a 19" rack and comes with radio-controlled keyboard. Display of the actual lamp power in % rel. or optionally mW/cm² for up 16 lamps simultaneously on a built in 7" TFT screen .

According to the customers' requirements, the UV-Monitoring PC2516 system is available in various configurations. Any combination of up to 16 individual sensors, UV, UV-A, UV-B, UV-C or UV-V can be configured.

The UV-Monitoring System PC2516 is available with cabled sensors or as an option, data transmission between sensors and base station via WLAN.

For measuring in high temperature environment above 70°C / 158°F optical light guides are optionally available that reach up to 350 °C / 660°F.

Water-proof housings particularly for UV-C sensors are available

60.1 UV-Monitoring PC2516

60.2 UV-Monitoring PC2516 Wireless LAN

60.2.1 WLAN Transmission Set for UV-Monitoring PC2516

Sensors with cable connection:

- 60.1.1 Sensor UV 250-410 nm
- 60.1.2 Sensor UV-A 315-410 nm
- 60.1.3 Sensor UV-B 280-315 nm
- 60.1.4 Sensor UV-C 230-280 nm
- 60.1.5 Sensor UV-C 160-200 nm
- 60.1.5 Sensor UV-C 160-200 nm
- 60.1.6 Sensor UV-C 160-240 nm
- 60.1.7 Sensor UV-C 160-260 nm
- 60.1.8 Sensor UV-V 395-445 nm
- 60.6 Pressure housing

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Windows CE evaluation software is included and enables the user to synchronise the UV-Data Sampler 1-8 Channel with a PC via RS232.

Technical Data:

Measuring range:	0 to 5,000 mW/cm ²
Dose range:	0 to 65,000 mJ/cm ²
Dynamic range:	0 to 1,500 mW/cm ²
Amplification:	x1, x10, x100, +adjustable
Sample rate:	0.002 sec to 24 h*
Recording time:	6 min to 12 months (with 16 channels)*
Power source:	110 – 240 V 50 cyc.
Power consumption:	60 mA
Dimensions:	base unit :
Base unit PC2516:	approx. 19" x 4"x 8" (480 mm x 100 mm x 200 mm)
Sensors :	round approx. 1.5" x .35" (40 x 10 mm)
Sensors :	round approx. .35" x 1.5" (40 x 10 mm)
Sensors :	round approx. M10 x 1.5" (M10 x 30 mm)
length of sensor cable:	2 m (80")
Temperature range:	158° F / 70° C
length of optical light guide:	2 m (80") – option –
Temperature range:	660° F / 350° C
Weight:	approx. 20 lbs. (9 kg)
Base Accuracy:	± 5 %

