

UV-Monitoring System PL 2503-D / PL 2506-D

- + up to 6 UV sensors
- + individual UV measuring
- + constant surveillance of UV
- + permanent display in % rel.
- + UV intensity in % rel (mW/cm²-option-)
- + alert function



The UV-IR Monitoring System PL2503 D / PL 2506-D is a fix installed UV monitoring system for the permanent surveillance of multiple lamp UV Curing systems.

According to the customers' requirements, the system is available in various configurations:

Any combination of up to 6 individual sensors can be configured.

The UV sensors are fix installed to each lamp and connected to the monitoring system. Standard sensors accept temperatures up to 70°C / 158°F and are available in various shapes.. For temperatures up to 350°C / 662°F optical light guides are optionally available.

The measuring results of two lamps are permanently displayed on the two line digital display in % rel. and optionally* in mW/cm². By pressing the front button the measuring results can be scrolled through for up to six lamps if connected.

With alarm function for the manual setting of threshold values.



The following versions and sensors are available as a standard:

34.1.1. UV-Monitoring System PL 2503-D for up to 3 lamps

34.1.2. UV-Monitoring System PL 2506-D for up to 6 lamps

34.2.1. Sensor UV 250-410 nm

34.2.2. Sensor UV-A 315-410 nm

34.2.3. Sensor UV-B 280-315 nm

34.2.4. Sensor UV-C 230-280 nm

34.2.5. Sensor UV-C 160-200 nm

34.2.6. Sensor UV-C 160-240 nm

34.2.7. Sensor UV-C 160-260 nm

34.5. Pressure housing

34.9.2. Optical Light Guide 2.0 SMA

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UV-Monitoring System PL2503-D / PL2506-D

Technical Data:

Measuring range:	0 to 5,000 mW/cm ²
Display:	LCD, 2 lines x 16 digits
Power source:	110 - 240 V 50 Cyc. (Standard)
Dimensions:	
Base unit PL2503 :	approx. 9" x 6" x 4" (220 x 150 x 100 mm)
Base unit PL2506:	approx. 12" x 8" x 5" (300 x 200 x 120 mm)
Sensors :	round approx. 1.5" x .35" (40 x 10 mm)
Sensors :	round approx. .35" x .15" (40 x 10 mm)
Sensors :	round approx. M10 x .15" (M10 x 30 mm)
length of sensor cable:	2 m (80")
length of optical light guide:	2 m (80") – option –
Base Accuracy:	± 5 %



The standard sensors of the UV-Monitoring System PL2503 D / PL2506 D can withstand max. 70° C/158° F.

The optionally available optical light guide withstands temperatures up to 350°C / 662°F.



Calibration:

If the option display in mW/cm² has been selected it is recommended to have re-calibration done once per year. Ongoing, PTB traceable calibration with certificate