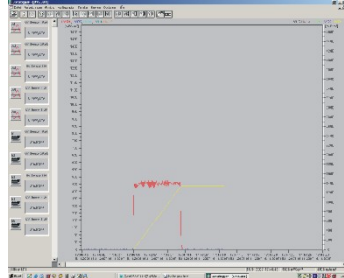


UV-Data Sampler XPC 2516

- + up to 16 channels
- + individual UV & temperature measuring
- + temperature measuring 0 – 150°C (32 – 302°F)
- + up to 16 probe-type sensors (UV and temp)
- + MINI IDX computer
- + radio controlled keyboard
- + TFT monitor 17“
- + UV intensity mW/cm^2
- + UV dose mJ/cm^2
- + pass-through data acquisition
- + parameter selection
- + auto scale function
- + free selectable Integral
- + Microsoft Evaluation Software



The UV-Data Sampler XPC2516 is a small, portable, pass-through, UV & temperature data sampling unit for UV & IR Curing systems, UV & IR Profile Analysing and 3D-UV & IR Data Acquisition.

According to the customers' requirements, the UV-Data Sampler XPC2516 is available in various configurations. Any combination of up to 16 individual sensors can be configured.

The UV-Data Sampler XPC2516 profiling ultraviolet and temperature data sampling system has been specifically designed to measure UV-radiation and temperature on high-end UV-IR curing machines. Pre-selection of parameters for the measuring cycle and data read out and display on a 17" TFT monitor.

After passage of the curing chamber the recorded data can be viewed and further edited by a special Microsoft Evaluation Software. The measurement, integrating, and recording of data from all sensor channels takes place at user-defined intervals.

The sensors are probe-type round sensors connected with a flexible cable.

The measuring results are displayed on graphs as mW/cm^2 , mJ/cm^2 and in $^{\circ}C / ^{\circ}F$ as a temperature curve. The monitor displayed graphs show the complete profile and offers zooming and auto scale functions. Peaks and Integrals are free selectable on screen and will also be displayed as digital numbers.

Ordering information:

- 59.1 UV-Data Sampler XPC2516
- 59.2.1 Sensor UV 250-410 nm
- 59.2.2 Sensor UV-A 315-400 nm
- 59.2.3 Sensor UV-B 280-315 nm
- 59.2.4 Sensor UV-C 230-280 nm
- 59.2.5 Sensor UV-C 160-200 nm
- 59.2.6 Sensor UV-C 160-240 nm
- 59.2.7 Sensor UV-C 160-260 nm
- 59.3.1 Sensor Temperature
- 59.4.1 Sensor Nitrogen
- 59.5.1 Pressure housing
- 59.9.1 Battery Charger RLG

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UV-Data Sampler Model XPC2516

The powerful 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:

| | |
|-------------------------------|---|
| Available UV spectral ranges: | UV 250 – 410 nm UV-A 315 – 400 nm UV-B 280 – 315 nm UV-C 230 – 280 nm UV-C 160 – 200 nm UV-C 160 – 240 nm UV-C 160 – 260 nm |
| Available temperature range: | 32 to 302° F / 0 to 150° C |
| 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 |
| Sample rate: | 0.002 sec to 30 min* |
| Recording time: | 6 min to 12 months (with 16 channels)* |
| Power source: | 2 x 3.7 V Lithium Polymeric accu rechargeable or mains connection |
| Power consumption: | 60 mA |
| Battery service life: | 2,000 re-charging cycles |
| Dimensions: | base unit : approx. 6" x 11" x 2 ¼ " (150 mm x 275 mm x 56 mm) sensors : round approx. 1.5" x .35" (40 x 10 mm) |
| Weight: | approx. 5 lbs. (2500 g) |
| Temperature range: | 32 to 113° F / 0 to 45° C |
| Heat protection: | Heat shield on TOP |
| Base Accuracy: | ± 5 % |

While on the conveyer belt, the UV-Data Sampler XPC2516 can withstand max. 110° C/230° F for up to 10 seconds. The temperature of the housing should not exceed 45° C/113° F.

Calibration:

In order to keep its full function and precision it is recommended to have re-calibration done once per year. Re-calibration will also be necessary after replacement of batteries. PTB traceable calibration with certificate

UV-Data Sampler Model XPC2516

Example: Display of measuring results on PC

