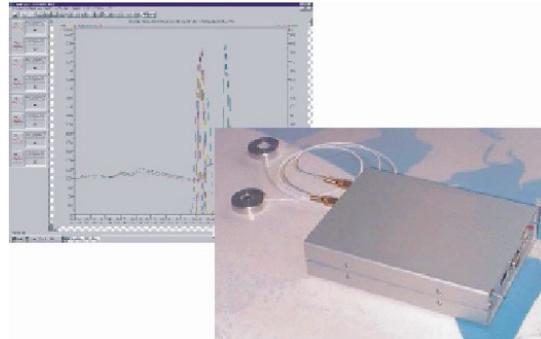




UV-Data Sampler 1-8 Channel PL 2508

- + up to 8 channels
- + individual UV & temperature measuring
- + temperature measuring 0 – 150°C (32 – 302°F)
- + up to 8 probe-type sensors (UV and temp)
- + UV intensity mW/cm^2
- + UV dose mJ/cm^2
- + pass-through data acquisition
- + parameter selection
- + auto scale function
- + free selectable Integral
- + graphic charts on PC via ComPort
- + result storing on PC via ComPort
- + Microsoft Evaluation Software
- + auto off



The UV-Data Sampler 1-8 Channel is a 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 1-8 Channel is available in various configurations:

Any combination of up to 8 individual sensors can be configured:

- UV 230 – 410 nm
- UV-A 315 – 410 nm
- UV-B 280 – 315 nm
- UV-C 230 – 280 nm
- 0 - 302° F / 0 to 150° C

The UV-Data Sampler 1-8 Channel profiling ultraviolet and temperature data sampling system has been specifically designed to measure UV-radiation and temperature on high-end UV-IR curing machines. Via ComPort, it is connected to a PC in order to pre-select parameters for the measuring cycle. After passage of the curing chamber the recorded data can be downloaded to a computer for further editing by 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 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

THE WIDE RANGE OF UV - IR TECHNOLOGY



UV-Data Sampler 1-8 Channel PL 2508

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 – 410 nm UV-B 280 – 315 nm UV-C 230 – 280 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 100,000 mJ/cm ²
Dynamic range:	0 to 1,000 mW/cm ²
Amplification:	x1, x10, x100, +adjustable
Sample rate:	0.01 sec to 1 h
Recording time:	90 sec to 300 days
Power source:	8 x 1.5 V rechargeable battery
Power consumption:	20 µA
Battery service life:	2,000 hrs
Dimensions:	base unit : approx. 9" x 6" x 2" (220 x 150 x 50 mm) sensors : round approx. 1.5" x .35" (40 x 10 mm)
Weight:	approx. 53 ounce (1500 g)
Temperature range:	32 to 113° F / 0 to 45° C
Heat protection:	Heat shield on back plate
Base Accuracy:	± 5 %

While on the conveyer belt, the UV-Data Sampler 1-8 Channel 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