

100

ULTRA

5

38

SLUE TO RED

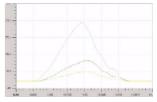
UV-1350 Colour ComPort Radiometer + Dosimeter

- + UV-A intensity mW/cm² + UV-A dose mJ/cm²
 + UV-B intensity mW/cm² + UV-B dose mJ/cm²
 + UV-C intensity mW/cm² + UV-C dose mJ/cm²
 + *UV-V intensity mW/cm² + UV-V dose mJ/cm²
 + Full UV intensity mW/cm² + Full UV dose mJ/cm²
 + big colour graphic display
 + numerical and graphical display
- + permanent or "triggered" measuring mode*
- + USB ComPort and PC evaluation software

The *UV-1350 Colour ComPort Radiometer + Dosimeter* is a self-contained, high quality UV measuring instrument. It is designed to measure and record UV intensity and UV dosage in the UV curing process. Measuring results are indicated both, graphically and numerically on a big colour display.

It is equipped with three different UV sensors for the individual measuring of

UV-A 315 - 410 nm UV-B 280 - 315 nm UV-C 230 - 280 nm UV-V 395 - 445 nm* UV - 230 - 410 nm



With these three different UV-bands most of the measuring requirements of UV curing applications can be covered.

Due to its three different UV sensors and the integrated microprocessor the **UV-1350 Colour ComPort Radiometer + Dosimeter** can measure, record and display the peak of the UV-intensity (mW/cm²) for each UV-band individually plus the peak of total UV energy.

Additionally, this instrument is calculating the UV-dosage (mJ/cm²) of the UV energy supplied during the time of exposure of one measuring cycle. The UV-dosage is calculated for each UV-band (UV-A, UV-B and UV-C or UV-V) individually and as total Integral of UV-dosage over all three UV-bands. This allows to determine not only the total energy, but also how that energy is delivered, i.e., what intensity and dose at what UV-band.

Optionally it is available with an extra sensor for measuring temperatures from 0 to 230° F / 0 to 110° C. *This instrument features a selectable "triggered mode", i.e. the 30 sec recording cycle starts within a 120 second readiness phase not before the incident UV-intensity exceeds 2 mW/cm².

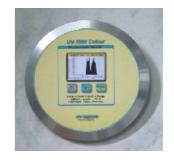
The three sensors are on the back of the unit which also serves as a heat shield. After completion of the measuring cycle the measuring results are instantly displayed numerically and graphically auto-scaled on the built in 45 x 34 mm (1.75" x 1.3") TFT colour display.

A special AUTO-OFF feature that turns off the unit automatically after one minute serves as energy saving and extension of the battery service life.

Additionally the **UV-1350 Colour ComPort Radiometer + Dosimeter** is equipped with an USB ComPort and an evaluation software for downloading the data to a computer to show, edit and store a history of the measuring results of the entire measuring cycle as graphic charts (mW/cm²) and (mJ cm²) and (°C/°F)

Item 63.2.UV-1350 Colour ComPort Radiometer + Dosimeter UV-A, UV-B, UV-CItem 63.2.1.UV-1351 Colour ComPort Radiometer + Dosimeter UV-A, UV-B, UV-V

Subject to change without prior notice © 2007-08



C

VERA

WIDE RANGE OF UV -IR TECHNOLOGY ТНЕ

100

VIOLĖT

280

315

380

0.005 sec (200/sec)

0 to 36.000 mJ/cm²

2,000 measuring cycles

approx. 17.5 ounce (500 g)

Heat shield on back plate

32° to 113° F / 0 to 45° Celsius

30 sec.

120 sec.

20 µA

±5%

VISIBLE LIGHT BLUE то

INFRA RÈD

UV-1350 Colour ComPort Radiometer + Dosimeter

0 to 2,000 mW/cm² or 2,000 to 5,000 mW/cm²

TFT Colour Display, 45 x 34 mm (1.75"

2 x long life 3.6 V Lithium Battery

Ø 5.5" (140 mm), height ½" (13 mm)

Technical Data:

Measuring range:

Sampling rate:

Recording cycle:

Readiness phase:

Display range:

Power source:

Dimensions:

Weight:

Power consumption:

Battery service life:

Operating temperature:

Heat protection:

Base Accuracy:

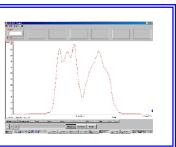
Display:

Spectral ranges: UV-A 315 – 410 nm UV-B 280 - 315 nm UV-C 230 - 280 nm UV 230 - 410 nm

0 to 5,000 mW/cm² Max. Power Input

Special Feature:

ComPort for the download of data to a Computer



 \sim

	The radi	als trade) assessed in tracement i firme@iffset = 0.5o	
	and the second s	arrialg markers or nadical (Percenter = 0.50	100
	-		
	-		-
	201.4		- 51.0
			2
		1	2
	72.0		-
			a
		15 12 128 2 165	2.5 31,25 2000 Time (free
	40.55 H pt	Tex Des 0 to 20 +20 Des 4 UN stater 200 valuer 4	terla
	5.4	all as always and all always for any annual and annual for	
1.3")	Enclosed or 19.8		
1.0 /	17 21-11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	an tradition <u>Channelline</u> Welline! = 4 Ch	teres (
			- 18
	100 -		- 14
	=		
	e0		
		The second se	0.0 28 Tar fler
	Desc Generation - 1	See Sec US Sector State	The floor
	AL shrined 21 V		2002.0400.4
		100 10.1 Y (V TID WW 10	
	Disandiate Mill		
		Ann Sont Zoon the La Tancienet Tencofficit - D	iec
	-		1
	P01 -		-
			1
			-
			A
	0.78	NEXA AND 12705 11.0 12908	10.00 10.00 N.0
	19.40 Keel 100 adu/toor	Ter Ter 528 to 3520 + 65 Ter. 556. articlet 200. actor	1900 1000 1000 1000 1000 1000 1000 1000
		(MC all'of SC allof	14 14 14
		Ing LET T UP THE same	DE

While on the conveyer belt, the UV-1350 Colour ComPort Radiometer + Dosimeter can withstand max. 230° F / 110° C for up to 10 seconds. The temperature of the housing should not exceed 113° F / 45° C. Because of uneven radiation distribution of the UV light source and different type of construction of the measuring devices by different manufacturers, different readings may appear under the same measurement conditions.

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 change of battery. PTB traceable calibration acc. to DIN EN ISO / IEC 17025 with certificate

Subject to change without prior notice © 2007-08