EXTECH INSTRUMENTS

PRODUCT DATASHEET

SDL470 UVA/UVC Light Meter/Datalogger

Extech's compact UV Light Meter includes two types of probes: one to measure UVA (long wave 365nm) and the other to measure UVC (short wave 254nm) light sources up to 20mW/cm². The SDL470 date/time stamps and stores files onto an SD card in MS Excel® format to make transferring, storing, and analyzing the data on your PC easier. The unit also has a Type K/J thermocouple input to capture temperature readings (temperature probes not included).

Features

- UVA probe captures long-wave 365nm UV irradiance measurements under a UVA (black light) source
- UVC probe captures short-wave 254nm UV irradiance measurements under a UVC light source
- Cosine correction filter and metal housing
- Offset adjustment used for zero function or to make relative measurements
- Adjustable data sampling rate: 1 to 3600 seconds
- Memory stores 99 readings manually
- Datalogging feature records readings with date and time stamp on an SD card (included) in Excel® format
- Type K/J Thermocouple input for temperature measurements (probes sold separately)
- Large backlit LCD display
- Record/Recall MIN, MAX readings
- Data Hold plus Auto power off with disable function
- Complete with built-in tilt stand, SD memory card, UVA light sensor with protective cover, UVC light sensor, hard case, Universal AC adaptor, and 6 x AA batteries

Specifications	Range	Max Resolution	Basic Accuracy
UVA Range	2mW/cm², 20mW/cm²	0.001mW/cm²	±4% FS
UVC Range	2mW/cm², 20mW/cm²	0.001mW/cm²	±4% FS
Frequency Bandwidth	365nm (UVA); 254nm (UVC)		
Type K Temperature	-148 to 2372°F (-100 to 1300°C)	0.1°F/°C	±(0.4%±1.8°F/1°C)
Type J Temperature	-148 to 2192°F (-100 to 1200°C)	0.1°F/°C	±(0.4%±1.8°F/1°C)
Memory	Datalog readings on SD card (included)		
Dimensions/ Weight	7.2 x 2.9 x 1.9" (182 x 73 x 47.5mm)/ 16.2oz (475g)		

Ordering

SDL470..... UVA/UVC Light Meter/Datalogger
TP875 ..... Type K Thermocouple Bead Wire Temperature Probe -58 to 1000°F (-50 to 538°C)

CE

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