SD Card, real time data logger, + type K Temp., Patent Two probes : UVA probe, UVC probe

UVA, UVC LIGHT METER

Model : YK-37UVSD

ISO-9001, CE, IEC1010



SD Card real time data logger UVA, UVC LIGHT METER Model : YK-37UVSD

 * UVA, UVC lig 	ht measurement in one meter.	Memory with	Records	Maximum &	Minimum reading
* Long wave 365 nm ultra-violet irradiance measurement.		Recall	with recall.		
Professional	UVA light meter, used to measure the	Datalogger	Auto	1 second to	o 3600 seconds
UVA irradiati	ion value under the UVA light (black light)	Sampling Time		@ Sampling	time can set to 1 second,
source.		Setting range		but memo	ory data may loss.
* Short wave 2	254 nm ultra-violet irradiance measurement.		Manual	Push the d	ata logger button
Professional	UVC light meter, used to measure the			once will sa	ave data one time.
	on value under the UVC light source.				empling time to
	: 2 mW/cm^2, 20 mW/cm^2.			0 second.	
	sensor structure with metallic housing case.				ode, can also select the
	with cosine correction filter.				osition (Location) no.
	build Zero button.	Memory Card	SD mem		GB to 16 GB.
	for the UV light measurement : Monitoring	Advanced			
	• •	setting	* Set clock time (Year/Month/Date, Hour/Minute/ Second) * Decimal point of SD card setting		
	diation hazards in welding, UV sterilization ,	setting			
	, Photochemical matching, UV EPROM		* Decimal point of SD card setting * Auto power OFF management		÷
	otoresist exposure, Curing of inks, adhesives		* Auto po	ower OFF man	agement
and coatings					
* Microprocessor circuit provides high reliability and		Temperature	Automatic temp. compensation for the		
durability.		Compensation	type K/J thermometer.		
 * Separate UV 	LIGHT probe allows user to measure the	Advanced	* Set beep Sound ON/OFF		
UV light at a	n optimum position.	setting	* Set thermometer type to Type K or Type J		e to Type K or Type J
* Туре К, Тур	e J thermocouple thermometer.		* Set temperature unit to $\ensuremath{^\circ\!C}$ or $\ensuremath{^\circ\!F}$		
 Real time SE) memory card Datalogger, it Built-in Clock		* Set sampling time		
and Calenda	r, real time data recorder , sampling time set		* SD memory card Format		
from 1 secor	nd to 3600 seconds.	Data Hold	Freeze th	ne display re	eading.
* Manual data	logger is available (set the sampling	Memory Recall	Maximun	n & Minimur	m value.
time to 0),	during execute the manual datalogger	Sampling Time	Approx.	1 second.	
function, it c	an set the different position (location) No.	of Display			
(position 1 to position 99).		Data Output	RS 232/USB PC computer interface.		
 Innovation a 	ind easy operation, computer is not] .	* Connect the optional RS232 cable		
	ip extra software, after execute		UPCB-02 will get the RS232 plug.		
				ct the option	
datalogger, just take away the SD card from the meter and plug in the SD card into the computer,				1 will get the	
-	load the all the measured value with	Operating	0 to 50 °		oob plug.
	prmation (year/month/date/		0 10 50 1	C.	
		Temperature	1 41	- 050/ D II	
	/second) to the Excel directly, then	Operating	Less than 85% R.H.		
	ke the further data or graphic	Humidity			
analysis by t		Power Supply	* Alkaline or heavy duty DC 1.5 V battery		
	acity : 1 GB to 16 GB.		(UM3, AA) x 6 PCs, or equivalent.		
	een light backlight, easy reading.		* DC 9V adapter input. (AC/DC power		
	auto power off or manual power off.			er is optiona	
* Data hold, re	ecord max. and min. reading.	Power Current	Normal o	operation (v	v/o SD card save
 Microcomputies 	ter circuit, high accuracy.		data and LCD Backlight is OFF) :		
* Power by UN	//3/AA (1.5 V) x 6 batteries or DC 9V		Approx. DC 6.5 mA.		
adapter.			When SD card save the data but and LCD Backlight is OFF):		
* RS232/USB	PC computer interface.				
			Appro.	x. DC 30 m/	4.
GENERAL SP	ECIFICATIONS		*.If LCD) backlight o	n, the power
Circuit	Custom one-chip of microprocessor LSI				increase approx.
	circuit.		16 mA	,	
Display	LCD size : 52 mm x 38 mm	Weight	Meter	351 g.	
	LCD with green backlight (ON/OFF).		UVA	100 g.	
Measurement	UV Light : UVA, UVC	1	probe		
Measurement			UVC	102 0	
	Type K/J thermometer	1		103 g.	
UVA, UVC	Selct by pushin the front button.		probe	477	45
slectrion		1	Meter		x 45 mm
UV Sensor	UVA : 250 nm to 390 nm.		UVA	Head	45 mm dia x 32 mm
spectrum	UVC : 200 nm to 290 nm.		probe	Handle	125 x 24 mm dia.
cover range		4	UVC	38 mm E	DIA. x 25 mm
UV 'sensor	The exclusive UV photo sensor with		probe		
structure	the cosine correction filter.	Accessories	* Instru	ction manua	ıl1 P
UV light zero	By push button.	Included			1 P
adjustment					
		1.1	* UVC light sensor		

nory with	Records	Maximum & N	/inimum reading	Optiona	
all	with recall.			Accesso	
alogger	Auto				
pling Time		@ Sampling tin	me can set to 1 second,		
ing range		but memory	data may loss.		
	Manual	Push the dat	a logger button		
		once will sav	e data one time.		
		@ Set the sam	pling time to		
		0 second.			
		@ Manual mod	le, can also select the	ELECTI	
		1 to 99 posi	ition (Location) no.		
nory Card	SD mem	ory card. 1 GE	3 to 16 GB.	UV Lig	
anced	* Set cloc	k time (Year/M	lonth/Date,		
ing	Hour/Minute/ Second)			Measure	
	* Decimal point of SD card setting			ranges	
	* Auto po	wer OFF manag	jement	resoluti	
				_	
perature			pensation for the	Accurac	
pensation	type K/J	thermometer		_	
anced		p Sound ON/OF			
ing	* Set the	mometer type	to Type K or Type J		
	* Set tem	perature unit to	°C or °F		
	* Set sam	pling time			
	* SD men	nory card Forma	at	UVA se	
a Hold	Freeze th	ie display rea	ding.		
nory Recall	Maximun	n & Minimum	value.	0.2	
pling Time	Approx.	I second.		0.1	
isplay				0.1	
a Output	RS 232/L	ISB PC compu	uter interface.	.≩ ^{0.1}	
		ct the optional		0.0 Kesponsivit	
		02 will get the		0.0 0.0 0.0 Kg	
	* Conned	ct the optional	USB cable	0.0	
		will get the U	ISB plug.	0.0	
rating	0 to 50 °	5.		0.0	
perature					
rating	Less than	n 85% R.H.			
nidity				UVC se	
er Supply		-	uty DC 1.5 V battery		
	(UM3, AA) x 6 PCs, or equivalent. *.DC 9V adapter input. (AC/DC power				
			-		
		r is optional)		≷ 0	
er Current			o SD card save	Responsivity (A/	
	data and LCD Backlight is OFF) : Approx. DC 6.5 mA.				
	When SD card save the data but and				
	LCD Backlight is OFF) :				
	-				
	Approx. DC 30 mA. C *.If LCD backlight on, the power				
	* .If LCD backlight on, the power consumption will increase approx.				
	16 mA		леазе арргох.		
ght	Meter	351 g.		_	
gin	UVA	100 g.		Туре К	
	probe	100 g.			
	UVC	103 g.		Sensor	
	probe			Туре	
	Meter	177 x 68 x	45 mm	Туре К	
	UVA		15 mm dia x 32 mm		
	probe		25 x 24 mm dia.	11	
	UVC			-	
	UVC 38 mm DIA. x 25 mm probe			Type J	
essories		tion manual			
uded					
	1 IN 10 I				

Hard carrying case, CA-06.....1 PC

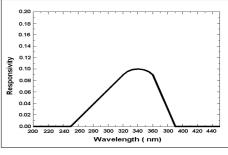
otional	*	SD Card (4 GB)
cessories	*	Type K thermocouple probe.
		TP-01, TO-02A, TP-03, TP-04, TP-05
	*	AC to DC 9V adapter.
	*	USB cable, USB-01.
	*	RS232 cable, UPCB-02.
	*	Data Acquisition software, SW-U801-WIN.
	*	Excel Data Acquisition software, SW-E802

FRICAL SPECIFICATIONS (23±5℃)

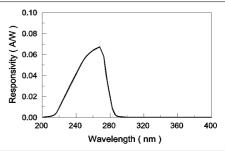
ght (UVA, UVC)

Measurement	Range 1 : 2 mW/cm^2 :		
ranges &	1.999 mW/cm^2 x 0.001 mW/cm^2		
resolution	Range 2 : 20 mW/cm^2 :		
19.99 mW/cm^2 x 0.01 mW/cm^2		mW/cm^2	
Accuracy	± (4 % FS + 2 dgt).	FS : full scale	
	* UVA Calibration is executed und	ler the UVA light &	
	and compare with the standard UVA light meter. • UVC Calibration is executed under the UVC light & and compare with the standard UVC light meter.		

ensor spectrum



ensor spectrum



K/J thermometer

Sensor Type	Resolution	Range	Accuracy
Туре К	0.1 ℃	-50.0 to 1300.0 ℃ -50.1 to -100.0 ℃	± (0.4 % + 0.5 ℃) ± (0.4 % + 1 ℃)
	0.1 °F	-58.0 to 2372.0 °F -58.1 to -148.0 °F	$\pm (0.4\% + 1^{\circ}F)$ $\pm (0.4\% + 1.8^{\circ}F)$
Type J	0.1 °C	-50.0 to 1200.0 °C -50.1 to -100.0 °C	± (0.4 % + 0.5 ℃) ± (0.4 % + 1 ℃)
	0.1 °F	-58.0 to 2192.0 °F -58.1 to -148.0 °F	± (0.4 % + 1 °F) ± (0.4 % + 1.8 °F)

PATENT CHINA : ZL 2008 2 0189918.5 ZL 2008 2 0189917.0 Germany : Nr. 20 Appearance and specifications listed in this brochure are subject to change without notice. Germany : Nr. 20 2008 016 337.4 JAPAN : 3151214