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产 品 规 格 书

Product specification

产品名称	UVLED 紫外照度计	
Products type		
产品型号		FTIU500
Products series		
产品规格		IUHD-365
Specification		
<p>This UVLED light source is the standard specification of Futanshi Company. The order quantity is between 1-50 sets and can be shipped on the same day. The order quantity is more than 50 units, please contact us to confirm the delivery date.</p> <p>Send an inquiry to E-mail: futansi@futansi.com</p> <p>You can also call: 021-69790531, welcome to contact us!</p>		
  		



Approved	Review	Formulate
FTS	<i>FTS</i>	FTS

① Scope of application

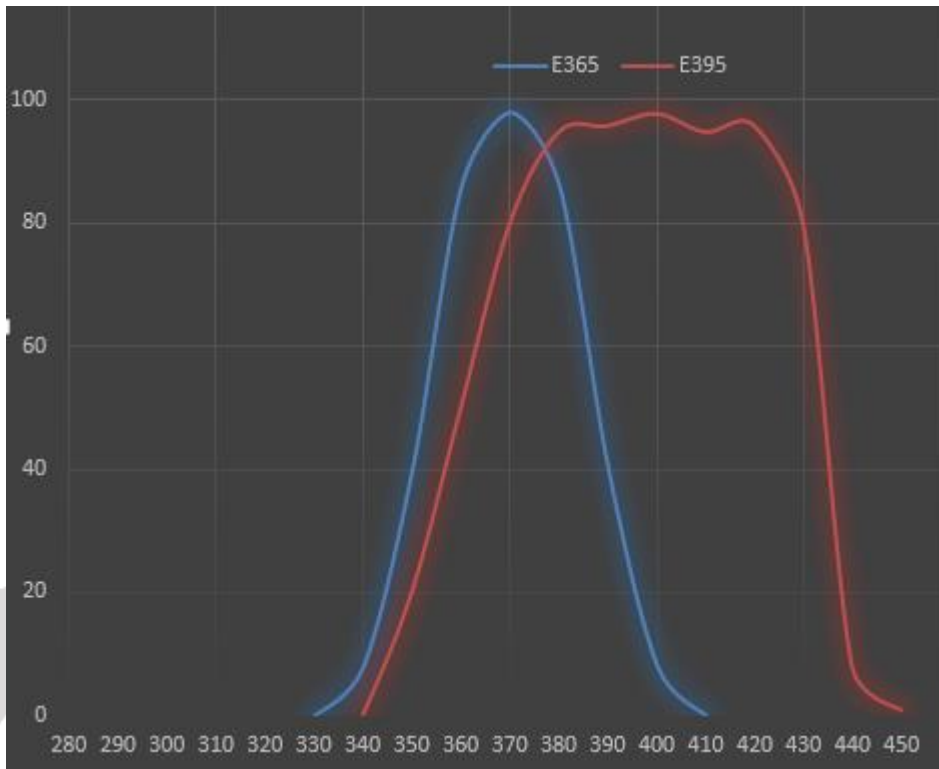
The ultraviolet rays include the UVA band (320 nm to 380 nm), the UVB band (280 nm to 320 nm), and the UVC band (200 nm to 280 nm). UVA band is mainly used in light curing, lithography exposure, ultraviolet light source, integrated circuit lithography and other industries; UVC band, also known as short-wave sterilization UV. Ultraviolet germicidal lamps emit UVC short-wave ultraviolet rays. The FTIU500 Dual Band UV Irradiometer is a UV irradiometer that can test different wavelengths. The digital probe is used, the plug-in design, and the instrument intelligently judges the model of the probe. At the same time, different UV probes can be supported.

② Basic parameters

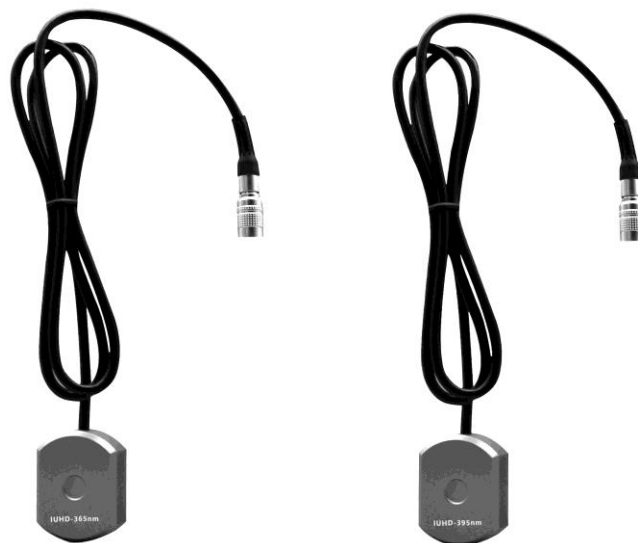
Serial number	Accessories	project	parameter		
1	Illuminometer controller (FTIU500)	Power supply battery	2 AAA alkaline dry batteries		
2		Fuselage size	mm	125×72×14.5	
3		Sensor connection mode	Bayonet lock		
4		Mode of operation	Manual	button	
5		Communication interface	serial port	Realize read and write communication	
6		Host structural material	Aluminium alloy		
7		Instrument weight	About 320g		
8		Operating ambient temperature/humidity	0~35℃ 85%Following (no condensation)		
9		Preservation of ambient temperature/humidity	-10~60℃ 85%Following (no condensation)		
10		Sensors (UIHD-365)	UV sensor type	Large range Precision UV Sensor	
11	Application field		UVLED light curing power, energy measurement		
12	Spectral response range		340nm-420nm; calibrated at 395nm		
13	Power measurement range		0-20000mw/cm ²		
14	Measurement resolution		0.1 mW/cm ²		
15	measurement accuracy		±10 %		
16	Sensor aperture diameter		mm	9.2mm	
17	weight		g	0.2	
18	UV sensor probe size		mm	46×14.6	
19	Main structure material		Aluminium alloy		
20	Operating ambient temperature/humidity		0~35℃ 85%Following (no condensation)		
21	Preservation of ambient temperature/humidity		-10~60℃ 85%Following (no condensation)		
22	Connecting line	Robot Cable	m	2-5M	

3. Ultraviolet Energy Meter (FTIU500) features:

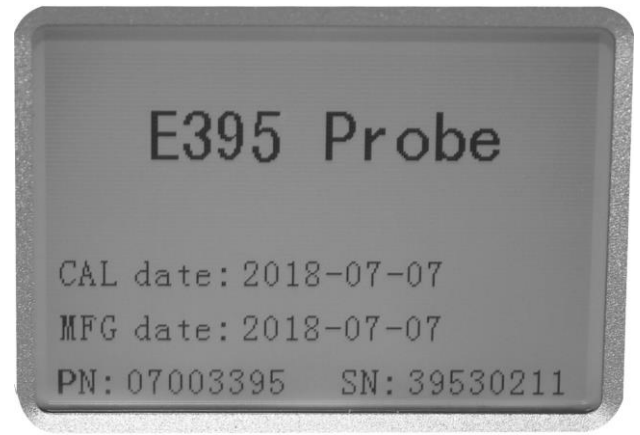
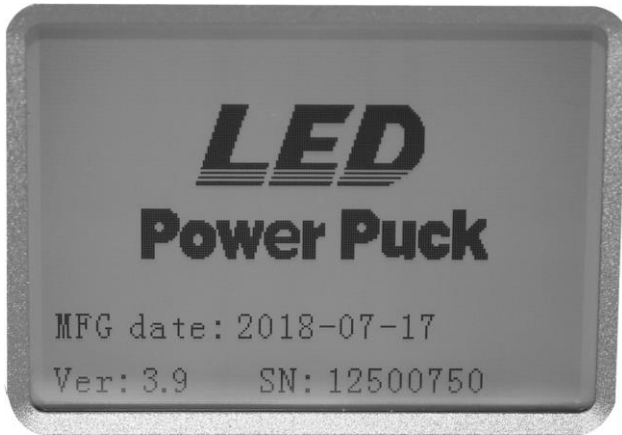
■ Wide range of applications: for different industries, there are 2 different types of probes, covering high pressure mercury lamps and UV LED curing power, energy detection。



■ Automatic identification: The FTIU500 dual-band UV irradiator uses a digital probe, plug-in design, and the automatically determines the probe model. At the same time, it can support 2 different UV probes (high pressure mercury lamp and UV LED curing power, energy detection)



■ Simple operation: When the probe is connected, the host will automatically configure it and start the test. The detector settings and algorithms are compressed into the probe without the need to enter new programs and calibration factors.



■ Remote use: Through a 1m long cable, it is convenient to measure when the specified location is not available. The instrument probe has a built-in small magnet for easy measurement and positioning.

■ Data record: 9 sets of measurement data can be saved. Press the lock button during measurement to save both the maximum and current values during the measurement. And the shutdown data is still saved (except for removing the battery).

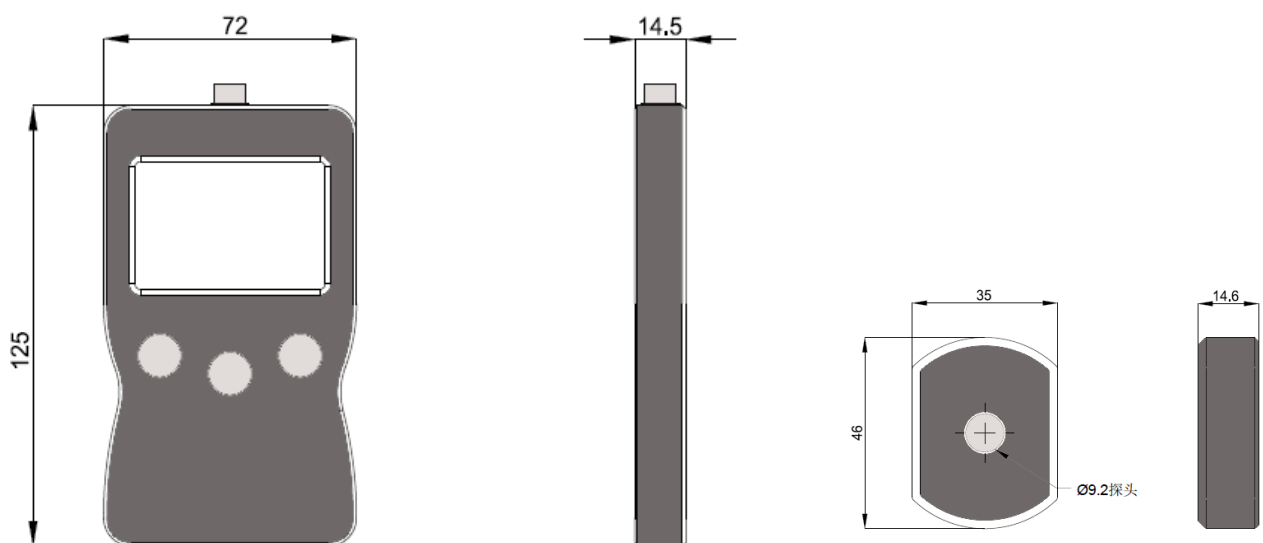


■ **Anti-jamming capability:** The amplified portion of the signal has been made in the metal box of the detector. The signal is transmitted to the host via a cable that has a protective function. The probe uses a dedicated test probe with a correction filter to eliminate the effects of other light.

■ **Ultra-low power consumption:** The instrument automatically shuts down after 3 minutes without any operation, avoiding the loss of battery power after forgetting the shutdown after the measurement, and protecting the service life of the instrument.



4. FTIU500 dual-band UV irradiator dimensions:



5. FTIU500 multi-probe ultraviolet radiation meter packaging details

1. UV irradiation meter mainframe: 1
2. Test probe: number of probes ordered
3. AAA battery: 2
4. Small Phillips screwdriver: 1
5. Instructions: 1
6. Certificate / Warranty Card: 1
7. Plastic engineering box: 1



solemnly declare:

Futansi (ShangHai)Electronic Technogy Co.,Ltd solemnly declare: Disassembling or modifying the UV energy meter by yourself may cause the product to be unable to be used normally. The product assembled after disassembly may also cause personal injury or damage to the object. In this case, direct or indirect Loss of our company does not assume any legal responsibility:

- Electric shock that may be encountered by wet hand plugging and unplugging the power connector;
- FUTANSI or other branded goggles are not worn when using the device;
- Scratch caused by intentional or unintentional touch on the surface of the device immediately after using the device;
- Personal injury or object damage caused by using this equipment near water source or in wet places;
- Electrical shock or other accident caused by using this equipment during thunderstorm;
- Accidents caused by the use of equipment near gas or natural gas;
- Not strictly in accordance with the provisions of this manual;
- Continue to use the device in spite of error messages or failures;
- Untrained personnel use equipment;
- Continue to use defective devices;

Design manufacturer: **Futansi (ShangHai)Electronic Technogy Co.,Ltd**

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