



TR-74Ui-S

TR-74Ui-S T&D Accumulating Light, Humidity and Temperature Data Logger

The TR-74Ui Illuminance UV Recorder is a data logger designed to simultaneously measure and record four items: Illuminance, Ultraviolet Light (UV), Temperature and Humidity. In addition to these, the TR-74Ui is also capable of displaying Cumulative Illuminance and Cumulative Amount of Ultraviolet Light in the LCD display. From dim moonlight to the summer sun, Illuminance can be measured within a wide range. The product is an all-in-one package that includes the data logger unit, sensors and software. We offer two types of packages with different temperature/humidity sensors depending on your required measurement range and accuracy needs. Simply by connecting to a PC via a USB connection and carrying out a few easy steps, the measurement and recording of data can be started. Not only can recorded data be easily downloaded to a PC via USB communication, but it can also be collected from data loggers via infrared communication to our T&D Data Collector TR-57DCi (sold separately). The TR-57DCi enables the user to gather and check recorded data on the spot without having to manually gather the data loggers.



Application Examples

- In art museums and other exhibit forums to manage illuminosity and help prevent deterioration of exhibits
- Management during all aspects of plant and food production
- For use in the development, testing, manufacture and sales of products for cutting UV rays
- UV reduction management in schools from kindergartens to universities
- For home and office use in the management of illuminosity and UV rays
- Design and management of homes and architectural buildings
- For managing the reduction of UV rays at swimming pools, the ocean, mountains and in parks
- For management and adjustment of illuminosity for photography and film
- For management in the production, storage and sales of foodstuffs and beverages
- For use at supermarkets, convenience stores and drugstores in UV product sales promotion materials

Features

- Measure and Record Illuminance, Ultraviolet Light (UV), Temperature and Humidity
- Temperature/Humidity Sensor Selection
- View Cumulative Illuminance and Cumulative Amount of Ultraviolet Light in LCD Display
- Measure Illuminance within Wide Range
- View and record Illuminance in Resolutions to 0.01 lx
- Simultaneously View Four Measurement in One Easy-to-Read Graph
- Large Logging Capacity: 8,000 Data Sets
- Transmit Recorded Data to PC via USB Connection



DLM-536

Light Meter Data Logger

Features

- Photopic curve V(l)
- PC Software
- 16000 Records Data logging capacity
- RS-232 interface (software included)
- Measurement of luminous intensity
- Spectrum of photo sensor meets C.I.E.



Specifications

Measuring range	20/200/2000/20000 Lux , 20/200/2000/20000 Fc
Luminous intensity (cd)	Intensity = illuminance x (length) ²
Length	feet (Fc) meter (Lux)
Resolution	0.01 Lux
Accuracy	±(3% rdg + 5dgts) (calibrated to standard incandescent lamp, 2856 K)
Overrang display	OL
Record (Data logging)	16000 Point Data logger
Sensor	Silicon photo diode
Sensor lead length	150cm (approx)
Sensor probe	100(L) x 60(W) x 27(H) mm
Main instrument dimensions/weight	146(L) x 70(W) x 39(H) mm/300g (approx)
Power source	One 9V battery
Battery life	50hrs (approx)
Operating Storage Condition	0 °C ~ 40 °C (32°F~104°F) below 80% RH -10°C ~ 60°C (14°F~140 °F) below 70% RH
Accessories	Carrying case, 9V battery, instruction manual, Software, RS-232 cable, 9 Pin to 25 Pin gender changer

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Propel Quality Measurement.



DLM-530 / DLM-531

Digital Light Meter



DLM-530 Features

- For Simple One Hand Operation
- Accurate Visible Compensation Filter is Used. (CIE photopic f'1 No Specified)
- Acceptance Angle: Cosine Response: f'2Total Accuracy for CIE standard illuminat A (2856K) +/- (3% Reading + 10 digits)
- Range : From 20 to 200,000 Lux
- Analog Output Standard
- Valox Housing to Withstand Accidental Drops
- Digital and Analog Output Function
- Highly accurate f'1 Compensation and Diffuser f'2MAX/Data Hold Function
- Backlit LCD Display

Specifications

Photometric Formulas	: 1 footcandles = 10.764 Lux (lumens/meter ²)
Ranges	: 20lux, 200lux, 2,000lux, 20,000lux, 200,000lux.
Resolution	: 0.01lux.
Spectral response	: CIE photopic
Acceptance angle	: f'2Total accuracy: for CIE standard illuminate A (2856K); (±3%rdg+10dgt)
Sampling rate	: 3 times/per second
Power Requirement	: 4 pieces 1.5V (AAA) batteries
Dimensions	: 6.7"x1.7"x1.6" (170x44x40mm)
Weight	: 7.7 oz(220g)
Accessories	: Test leads, soft carrying case, & owners manual.

DLM-531 Features

- For Simple One Hand Operation
- Accurate Visible Compensation Filter Match (CIE photopic f'1 No Specified)
- Cosine Response: f'2CIE photopic f'1 No Specified)
- Acceptance Angle: Cosine Response: f'2Total Accuracy for CIE standard illuminat A (2856K) +/- (3% Reading + 10 digits)
- Range : 20 Lux, 200 lux, 2000 lux, 20,000 Lux; 20fc, 200fc, 2000fc, 20,000fc
- Analog Output Standard (output impedance 500 ohm)
- Valox Housing to Withstand Accidental Drops
- Digital and Analog Output Function
- Highly accurate f'1 Compensation and Diffuser f'2Peak Data Hold Function
- Backlit LCD Display
- High Accuracy : ±3%rdg+10dgt
- 3 1/2 digit LCD display with a maximum reading of 1999
- Automatic Zero

Specifications

Photometric Formulas	: 1 footcandles = 10.764 Lux (lumens/meter ²) 1 Lux (lumens/meter ²) = 0.0929 footcandles
Ranges	: 20lux, 200lux, 2,000lux, 20,000 lux ; 20fc, 200fc, 2000fc, 20,000fc
Resolution	: 0.01lux. ; 0.01 fc
Spectral response	: CIE photopic
Acceptance angle	: f'2CIE photopic f'1 No Specified
Acceptance Angle	: Cosine Response: f'2
Total accuracy	: for CIE standard illuminate A (2856K) +/- (3% Reading + 10 digits) for CIE standard illuminate A (2856K); (±3%rdg+10dgt)
Sampling rate	: 3 times/per second
Power Requirement	: 4 pieces 1.5V (AAA) batteries
Dimensions	: 6.7" x 1.7" x 1.6" (170x44x40mm)
Weight	: 7.7 oz(220g)
Accessories	: Test leads, soft carrying case, & owners manual.

DLM-533

Digital Pocket Light Meter

DLM-533 is a handheld mini-illuminometer, the machine uses the use of photoelectric sensing technology and special operation to amplify the chip circuit design, and the use of special filtering, etc., can effectively convert the light into electrical signals, and then through the microprocessing chip for data processing, LCD digital display of its measurement results. It can be widely used in lighting, animal husbandry, mining, laboratories, offices, agriculture, meteorology, environmental protection, sports, factories, schools, and so on. It can be used in real-time detection of environmental illumination. Public places and other areas.



Features

- 3 1/2 LCD digital LCD display
- Wide measuring range from 0-19999 Lux/Fc.
- There is a LUX / FC display
- In the 9999 Lux/Fc stalls, the resolution of 1 Lux/Fc
- With automatic shift function.
- The LCD screen has a backlight for easy operation.
- Data retention function, maximum & minimum measurement.
- Automatic shutdown, energy saving function.
- Handheld mini illuminometer with stable, safe & reliable measurement.

Specifications

Functions	Range	Resolution	Accuracy
Luminance	0~9999Lux	1LUX	±4%rdg+5dgts
	≥10000Lux	10LUX	±5%rdg+8dgts
	0~9999Fc	1Fc	Bit conversion: FC=LUX/10.76 The accuracy of FC does not need to be checked. It is calculated by the formula. Input the same value and convert units to check whether it conforms to FC=LUX/10.76
	≥10000Fc	1Fc	
Measurement Range	0~200, 000	lux	
Sample Rate	0~9999Fc	1Fc	0.5s
Overload Indication			OL
MAX/MIN			MAX/MIN
Data Hold			HOLD
LCD Backlight			Yes
Auto Power Off			5min
Low Battery Indication			3.0~3.5V
Battery			4.5V
Current Consumption	working	mA	≤30mA
	Power off	uA	≤10uA
Working Environment	Temperature: 0~40°C Humidity: ≤80%RH		
Storage Environment	Temperature: -20~60°C Humidity: ≤75%RH		