SD card real time datalogger, RS232

SCREEN LUMINANCE METER

Model: LM-4000 *ISO-9001, CE, IEC1010*





LUTRON ELECTRONIC

The Art of Measurement

SCREEN LUMINANCE METER

Model : LM-4000

FEATURES

*	Uses stable, impact-resistant, lightless than 5°.
	circuits, simulating the human visual response, enabling accurate brightness
	measurements.
*	Wide measuring range: 0.01 ~ 39990 cd/m².
*	Digital display with excellent repeatability and reliability, featuring data hold and
	peak hold functions.
*	Low power consumption: powered by a 9V battery, continuous operation for up
	to 100 hours.
*	Small measuring light spot, diameter 20 mm; when the measuring distance is less
	than 1 m, screen target diameter should be greater than 20 mm, and tilt angle
	less than 5°.
*	Compact, lightweight, and easy to use.

Measurement	0.01 ~ 39999 cd/ m ²
	Auto & Manual
Resolution:	0.01cd/ m², 0.1 cd/ m², 1 cd/ m².
Accuracy	±3.0 % + 5 d (After Calibrater.)
(23±5 °C)	

Electrical Specifications (23 ±5 °C)

Liectrical Specifica				
2-1 General Specif				
Circuit	Custom o circuit.	ne-chip of microprocessor LSI		
Display	LCD size : 52 mm x 30 mm			
Dansa		999 cd/ m ²		
Range	(autorange	*)		
Measuring Distance	≦1 m			
Target Size	≥20 mm			
Sensor type		otodiode sensors		
resolution		² , 0.1 cd/ m ² , 1 cd/ m ² .		
Datalogger	Auto	2 to 3600 seconds		
Sampling Time				
Setting range		Sampling time can set to 1 second, but memory data may loss.		
	Manual	Push the data logger button		
		once will save data one time.		
		@ Set the sampling time to		
		0 second.		
		@ Manual mode, can also select the		
		1 to 99 position (Location) no.		
Data error no.	< 0.10/	no. of total saved data typically.		
Memory Card		ry card. 1 GB to 16 GB.		
Advanced		k time (Year/Month/Date,		
setting		inute/ Second)		
Setting		npling time		
		wer OFF management		
		ep Sound ON/OFF		
		al point of SD card setting		
	* SD mei	mory card Format		
Over Indication	Show "	".		
Data Hold		e display reading.		
Memory Recall	Maximum & Minimum value.			
Sampling Time	Approx. 1 second.			
of Display				
Data Output	RS 232/U	SB PC computer interface.		
	* Connect the optional RS232 cable			
	UPCB-02 will get the RS232 plug.			
	* Connect the optional USB cable			
	USB-01 will get the USB plug.			
Power off		off saves battery life or		
Tower on		on saves battery me or		
	manual of	f har marala hardtan		
O		f by push button.		
Operating Temperature	-20 ~ 50 °			
Temperature	-20 ~ 50 °	С		
Temperature Operating Humidity	-20 ~ 50 °	85% R.H.		
Temperature Operating	-20 ~ 50 °	С		
Temperature Operating Humidity	-20 ~ 50 ° Less than * Batteries * AC/DC	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter .		
Temperature Operating Humidity Power Supply	-20 ~ 50 ° Less than * Batteries * AC/DC (adapte	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional).		
Temperature Operating Humidity	-20 ~ 50 % Less than * Batteries * AC/DC (adapte) Normal op	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (w/o SD card save data) :		
Temperature Operating Humidity Power Supply	-20 ~ 50 °C Less than * Batteries * AC/DC (adapte Normal of Approx	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). peration (w/o SD card save data) : s. DC 24 mA.		
Temperature Operating Humidity Power Supply	-20 ~ 50 °C Less than * Batteries * AC/DC (adapte Normal of Approx When SD	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). peration (w/o SD card save data) : c. DC 24 mA. card save the data :		
Temperature Operating Humidity Power Supply Power Current	-20 ~ 50 °C Less than * Batteries * AC/DC (adapteries) Normal of Approx When SD Approx	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (w/o SD card save data) : t. DC 24 mA. card save the data : t. DC 50 mA.		
Temperature Operating Humidity Power Supply	-20 ~ 50 °i Less than * Batteries * AC/DC (adapte Normal op Approx When SD Approx 244 g/0.5	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter. er is optional). eration (w/o SD card save data): t. DC 24 mA. card save the data : t. DC 50 mA. 4 LB (meter only).		
Temperature Operating Humidity Power Supply Power Current	-20 ~ 50 °C Less than * Batteries * AC/DC (adapte Normal op Approx When SD Approx 244 g/0.5- 177 x 68 °C	85% R.H. 85(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (w/o SD card save data) : . DC 24 mA. card save the data : . DC 50 mA. 4 LB (meter only).		
Temperature Operating Humidity Power Supply Power Current Weight Dimension	* Batteries * AC/DC (adapte Normal of Approx When SD Approx 244 g/0.56 (7.0 x 2.7)	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). peration (Wo SD card save data) : . DC 24 mA. card save the data : . DC 50 mA. 4 LB (meter only). 4 1.8 inch)		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories	* Batteries * AC/DC (adapte Normal of Approx When SD Approx 244 g/0.56 (7.0 x 2.7)	85% R.H. 85(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (w/o SD card save data) : . DC 24 mA. card save the data : . DC 50 mA. 4 LB (meter only).		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included	-20 ~ 50 ° Less than * Batteries * AC/DC (adapte Normal of Approx When SD Approx 244 g/0.5- 177 x 68 ; (7.0 x 2.7; * Instruc	85% R.H. 85(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (w/o SD card save data) : . DC 24 mA. card save the data : . DC 50 mA. 4 LB (meter only). 445 mm x 1.8 inch) tion manual		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	-20 ~ 50 ° Less than * Batteries * AC/DC (adapte Normal of Approx When SD Approx 244 g/0.5- 1/7 × 68 ; (7.0 x 2.7: * Instruc * SD Ca	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (w/o SD card save data) : c. DC 24 mA. card save the data : c. DC 50 mA. 4 LB (meter only). 44 B (meter only). to manual		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included	-20 ~ 50 ° Less than * Batteries * AC/DC (adapte Normal of Approx When SD Approx 244 g/0.5-177 x 68 °) (7.0 × 2.7 ° Instruction of the State Normal	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). peration (w/o SD card save data) : c. DC 24 mA. card save the data : c. DC 50 mA. 4 LB (meter only). 4 5 mm 4 1.8 inch) tion manual		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	-20 ~ 50 °Less than * Batteries * AC/DC (adapt Normal of Approx When SD Approx 244 g/0.5: 177 x 68 °C) (7.0 x 2.7: * Instruc * SD Ca * RS232	85% R.H. 85(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). everation (w/o SD card save data) : t. DC 24 mA. card save the data : t. DC 50 mA. 4 LB (meter only). 4 45 mm x 1.8 inch) tion manual		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	-20 ~ 50 ° Less than * Batteries * AC/DC (adapte Normal of Approx When SD Approx 244 g/0.5- 177 × 68 ; (7.0 × 2.7: * Instruc * SD Ca * USB cs * R\$232 * Data A	85% R.H. 85 (UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (w/o SD card save data) : . DC 24 mA. card save the data : . DC 50 mA. 4 LB (meter only). 445 mm x 1.8 inch) tion manual		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	-20 ~ 50 ° Less than * Batteries* * AC/DC (adapte Normal of Approx 244 g/0.5* 177 × 68 ; (7.0 × 2.7; * Instruct * SD Ca * USB ca * RS232 * RS232 * St.	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (wo SD card save data) : t. DC 24 mA. card save the data : t. DC 50 mA. 4 LB (meter only). 44 B (meter only). 45 mm x 1.8 inch) tion manual		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	-20 ~ 50 ° Less than * Batteries * AC/DC (adapt Normal or Approx When SD Approx 244 g/0.5- 177 x 68) (7.0 x 2.7: * Instruc * SD Ca * RS232 Data A * SW-U8 AC to I	85% R.H. 85(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). exercise of the control of t		
Temperature Operating Humidity Power Supply Power Current Weight Dimension Accessories Included Optional	-20 ~ 50 ° Less than * Batteries * AC/DC (adapte Normal of Approx When SD Approx 244 g/0.5 177 x 68 o (7.0 x 2.7: * SD Ca * USB cs * R\$232 * Data A * SW-U6 AC to 1 * Hard c * Hard c	85% R.H. s(UM3, AA) x 6 PCs, or equivalent. power adapter . er is optional). beration (wo SD card save data) : t. DC 24 mA. card save the data : t. DC 50 mA. 4 LB (meter only). 44 B (meter only). 45 mm x 1.8 inch) tion manual		

@ Above specification tests under the environment RF Field Strength less than 3 V/M & frequency less than 30 MHz only.