

Traceable® Dual-Display Light Meter

Dual displays show lux or foot-candles, or percent differential from a reference point, and the selected light source (daylight, tungsten, fluorescent, or mercury). Traceable® light meter has Serial RS-232 output that allows it to be connected to a computer or data logger for monitoring and keeping results. To assure accuracy an individually serial-numbered Traceable® Certificate is supplied to indicate traceability to standards provided by NIST (National Institute of Standards and Technology).

Readings in lux and foot-candles

Dual-Display Meter measures lux in three ranges: 0 to 1999 (1 lux resolution), 2000 to 19,990 (10 lux resolution), and 20,000 to 50,000 (100 lux resolution). Readings in foot-candles: 0 to 199.9 (0.1 Fc resolution), 200 to 1,999 (1 Fc resolution), 2,000 to 5,000 (10 Fc resolution). For accuracy see chart. Unit has zero reference settings for all light sources.

Unit recalls highest, lowest, and average readings at the touch of a button. DATA HOLD button freezes the display to capture readings. Precise photodiode and color-correction filter provide cosine- and color-corrected measurements.

Jumbo-sized digits are 1½ inches high. Unit is supplied with 2 inch diameter photocell (cable length is 40 inches), Traceable® Certificate, 9-volt alkaline battery, and serial computer output. Probe specification is 2-inch diameter photo cell/ 40-inch cable length. Size is 7 x 3 x 1¼ inches. Weight is 9½ ounces. Replacement battery Cat. No. 1112.

- Cat. No. 3252** **Traceable® Dual-Display Light Meter**
- Cat. No. 4138** **Easy-Use Accessory Adaptor 115 VAC**
- Cat. No. 4136** **Data Acquisition System Accessory**
- Cat. No. 4325** **Data Logger Accessory**
(see full description on page 5)
- Cat. No. 4326** **Accessory 115 VAC Adaptor for Data Logger**



Computer Output

Traceable® Dual-Display Light Meter			
Range		Resolution	Accuracy
Lux	0 to 1999 lux	1 lux	±4.5% full scale
	2000 to 19,999 lux	10 lux	±4.5% full scale
	20,000 to 50,000 lux	100 lux	±4.5% full scale
Foot-Candles	0 to 199.9 Fc	0.1 Fc	±4.5% full scale
	200 to 1999 Fc	1 Fc	±4.5% full scale
	2000 to 5000 Fc	10 Fc	±4.5% full scale

Traceable® Ultraviolet Light Meter

Light meter has an UV wavelength range of 320 to 390 nm. Traceable® Ultraviolet Light Meter measures on three different ranges from 0 to 199.9 $\mu\text{W}/\text{cm}^2$ (resolution 0.1 $\mu\text{W}/\text{cm}^2$), 1.999 mW/cm^2 (resolution 0.001 mW/cm^2), and 19.99 mW/cm^2 (resolution 0.01 mW/cm^2). Accuracy is $\pm(2\%$ of full scale plus 2 digits).

Connect to computer or data logger

Traceable® Light Meter has serial RS-232 output that allows it to be connected to a computer or data logger for monitoring and keeping results. To assure accuracy an individually serial-numbered Traceable® Certificate is provided to indicate instrument traceability to NIST (National Institute of Standards and Technology).

Cosine- and color-correct measurements

Unit recalls highest, lowest, and average readings at the touch of a button. DATA HOLD button freezes the display to capture readings. Precise photodiode and color-correction filter provide cosine- and color-corrected measurements.

Unit is supplied with 3/4-inch diameter photocell (cable length is 40 inches), Traceable® Certificate, 9-volt alkaline battery, serial computer output, and carrying case. Size is 7 x 3 x 1 1/4 inches. Weight is 9 1/2 ounces. Replacement battery Cat. No. 1112.

- Cat. No. 3253** Traceable® Ultraviolet Light Meter
- Cat. No. 4138** Easy-Use Accessory Adaptor 115 VAC
- Cat. No. 4136** Data Acquisition System Accessory
- Cat. No. 4325** Data Logger Accessory
(see full description below)
- Cat. No. 4326** Accessory 115 VAC Adaptor for Data Logger



Computer Output

Traceable® Ultraviolet Light Meter		
Range	Resolution	Accuracy
0 to 199.9 $\mu\text{W}/\text{cm}^2$	0.1 $\mu\text{W}/\text{cm}^2$	$\pm 4 \mu\text{W}/\text{cm}^2 + 1 \mu\text{W}/\text{cm}^2$
200 to 1.999 mW/cm^2	0.001 mW/cm^2	$\pm 0.04 \text{mW}/\text{cm}^2 + 0.01 \text{mW}/\text{cm}^2$
2.00 to 19.99 mW/cm^2	0.01 mW/cm^2	$\pm 0.4 \text{mW}/\text{cm}^2 + 0.1 \text{mW}/\text{cm}^2$



Data Logger

Accessory Data Logger— Complete DAS-4™ System captures and stores up to 8000 bytes (over 1000 readings). Readings may be taken at intervals from 1 second to 99 hours. Stored readings may be downloaded to any PC and viewed. Can be read as-is or imported to spreadsheets, databases, and statistical programs. Supplied complete with 36-inch serial cable with D9F computer plug, 3 1/2 inches Windows® diskette, and four AA alkaline batteries. Size is 5 x 3 x 1 inches. Weight is 7 ounces. For use with Traceable® meters featuring RS-232 output. Replacement battery Cat. No. 1111.

- Cat. No. 4325** Data Logger