



# 1339P Photosynthesis Light Quantum Meter

## FEATURES :

- » *Dual Display, 4 digit LCD reading.*
- » *Spectral Sensitivity close to CIE photopic Curve.*
- » *Measuring Level Range: 0.01 to 999900 Lux, 0.001 to 92920 fc, Autoranging 5 steps and conversion to  $\mu\text{mole}/\text{m}^2/\text{s}$  (PPFD: Photosynthetic Photon Flux Density).*
- » *Accurate and Instant response.*
- » *Integral illuminance measurement and conversion to  $\mu\text{mole}/\text{m}^2/\text{d}$  (Daily light integral).*
- » *Luminous intensity measurement.*
- » *Data Hold function.*
- » *Data memory and read function.*
- » *Reference value stored for relative or percentage deviation measurement.*
- » *Ripple measurement for STRAY + LIGHT function.*
- » *Time-hold function.*
- » *Point - average function., Comparator function.*
- » *Spectral correction factor function. (include LED)*
- » *Auto power off function.      » Backlight display function.*
- » *Auto datalogging & USB interface.*



## SPECIFICATIONS :

Display	Dual display 4 digit LCD reading.
Measuring Range	99.99, 999.9, 9999, 99990, 999900 Lux 9.292, 92.92, 929.2, 9292, 92920 fc Auto ranging (5 step) (1 fc = 10.76 Lux)
Overrange Display	OL is displayed
Resolution	0.01 Lux, 0.001 fc
Accuracy	$\pm 3\%$ rdg $\pm 5$ dgt (Calibrated to standard incandescent lamp, 2856K)
CIE photopic f '1	$\leq 6\%$
Temperature Characteristics	$\pm 0.1\%$ / $^{\circ}\text{C}$
Measuring Rate	Approximately 5 time/sec
Photosensor	Silicon photodiodes
Data Memory Capacity	99 sets. (Direct reading from LCD display)
Data Logger Capacity	40,000 sets.
Operating / Storage Conditions	0 $^{\circ}\text{C}$ ~ 40 $^{\circ}\text{C}$ <80% RH / -10 $^{\circ}\text{C}$ ~ 50 $^{\circ}\text{C}$ <70%RH
Power Source	6 pcs AAA size Battery
Battery Life (typical)	100 hours
Photosensor Lead Length	150 cm (approx.)
Photosensor Dimensions	92(L) $\times$ 60(W) $\times$ 29(H)mm
Dimension	150(L) $\times$ 72(W) $\times$ 35(H)mm
Weight	320g
Accessories	Carrying case, Instruction manual, Battery, CD software, RS232 to USB cable.