

Features

Triple Display, 4-digit LCD reading.
 LED Color Bin select function (x,y) or (Tcp, Δuv)
 User calibration function.
 User reference value setting function.
 Illuminance maximum/minimum measurement function.
 Data Hold function.
 Data memory and read function.
 Data logger function.
 Auto power off function.
 USB Interface

Applications

Measure tristimulus values, chromaticity, color difference, correlated color temperature, and illuminance of light sources. R&D and color inspection of light in a variety of industries such as lamp manufacturers, building and interior design. Set-up projectors for presentation purposes. Adjust color of CRTs, flat panel, and other display devices. Evaluate and control color of light boxes and light booths.

Specifications

Display	Triple display 4 digit LCD read out.
Measuring function	Tristimulus values: XYZ
Chromaticity	(Ev, x, y); (Ev, u', v'); (Ev, λd, Pe); (Ev, λd, Pc); (Ev, MAX, MIN).
Correlated color temp	(Ev, Tcp, Δuv); (ΔEv, ΔTcp, ΔuvΔ)
Color difference:	(ΔX, ΔY, ΔZ); (ΔEv, Δx, Δy); (ΔEv, Δu', Δv'); (ΔEv, Δu'v'); (ΔEv, Δλd, ΔPe); (ΔEv, Δλd, ΔPc)
Measuring range	0.1 to 99990 lx, 0.01 to 9999 fcd (Chromaticity: 5 lx, 0.5 fcd or above)
Accuracy	Ev (Linearity): ±3%rdg±2dgts
xy: ±0.02	(800 lx, Standard Illuminant A measured)
Repeatability	Ev: ±0.5%rdg±1dgt xy: ±0.003 (800 lx, Standard Illuminant A measured)
Temperature drift	Ev: ±5%rdg±2dgts, xy: ±0.008
Humidity drift	Ev: ±3%rdg±2dgts, xy: ±0.005
CIE photopic f '1	≅8%
Cosine response f2	≅3%
Measuring Rate	1 sec
Photosensor	Silicon photocell
Memory Capacity	80 sets. (Direct reading from LCD display)
Datalogger Capacity	4GB
Operating/Storage	0°C to 50°C <80% RH / -10°C to 60°C <70%RH
Power Source	6 pcs AAA size Battery
Battery Life (typical)	100 hours
Sensor Lead Length	150 cm (approx.)
Sensor Dimensions	93(L) x 60(W) x 27(H)mm
Dimension	150(L) x 72(W) x 35(H)mm
Weight meter	235g
Photosensor	210g
Accessories	Carrying case, Instruction manual, Battery, CD software, USB cable.

