TES-136

TES-136, Chroma Meter

Features:
- Triple Display, 4-digit LCD reading.
- LED Color Bin select function (x,y) or (Tcp, ?uv).
- 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, & 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:

Model	TES-136
Display	Triple display 4 digit LCD read out
Measuring function	Tristimulus values: XYZ Chromaticity: (Ev, x, y); (Ev, u', v'); (Ev, λd, Pe); (Ev, MAX, MIN). Correlated color temperature: (Ev, Tcp, Δuv); (ΔEv, ΔTcp, Δuv) 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 fc (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
Data Memory Capacity	80 sets. (Direct reading from LCD display)
Data Logger Capacity	micro SD CARD 4GB
Operating / Storage Conditions	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
Photosensor Lead Length	150 cm (approx.)
Photosensor Dimensions	93(L) × 60(W) × 27(H)mm
Dimension	150(L) × 72(W) × 35(H)mm
Weight	Meter: 235g, Photosensor: 210g
Accessories	Carrying case, Instruction manual, Battery, CD software, USB cable.