

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, 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.



SPECIFICATION

Electrical 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 temperature: (Ev, Tcp, ?uv); (?Ev, ?Tcp, ?uv? Color difference: (?X, ?Y, ?Z; (?Ev, ?x, ?y; (?Ev, ?u', ?v';?Ev, ?u'v'); (?Ev, ?λd, ?Pe; (?Ev, ?λd, ?Pc
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'l	8%
Cosine response f'2	3%

Measuring Rate	1 sec
Photosensor	Silicon photocell
Data Memory Capacity	80 sets. (Direct reading from LCD display
Data Logger Capacity	microSD CARD 4GB
Operating / Storage Conditions	0 to 50 <80% RH / -10 to 60 <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(Hmm
Dimension	150(L × 72(W × 35(Hmm
Weight	Meter: 235g, Photosensor: 210g
Accessories	Carrying case, Instruction manual, Battery, CD software, USB cable.