TES

Reliable in Quality

TES-136 CHROMA METER

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.

❑ 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: Evxy; Evu'v'; Ev, Dominant wavelength, Excitation purity. Correlated color temperature: EvTcp Δuv Color difference: Δ (XYZ), Δ (Evxy), Δ (Evu'v'),ΔEv Δu'v'
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%
Measuring Rate	1 sec
Photosensor	Silicon photocell
Data Memory Capacity	99 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	92(L) × 60(W) × 29(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.

+982165565901

+982144584619

+989034119385

پتروفرهان گستر جنوب

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