

TES Reliable in Quality



TES-137 Luminance Meter

- ☐ Dual Display, 4-digit LCD reading
- ☐ Measuring Levels Ranging 0.01 to 1999k cd/m², 0.001 to 580.0k fL
- ☐ Luminance ratio A/B, deviation %A, different B-A and peak luminance measurements
- ☐ User calibration factor and color-correction functions
- ☐ Accumulation luminance measurement
- ☐ Max/Min/AVG function
- ☐ Comparator function
- ☐ Data logger function
- ☐ USB Interface





TES-137 Luminance Meter

FEATURES

- ❑ Dual Display, 4-digit LCD reading.
- ❑ Spectral Sensitivity close to CIE photopic Curve.
- ❑ Measuring Levels Ranging 0.01 to 1999k cd/m², 0.001 to 580.0k fL, Autoranging 6 step.
- ❑ Accurate and Instant response.
- ❑ Luminance ratio A/B, deviation %A, different B-A and peak luminance measurements.
- ❑ User calibration factor and color-correction functions.
- ❑ Accumulation luminance measurement.
- ❑ Max/Min/AVG function.
- ❑ Backlit function.
- ❑ Comparator function.
- ❑ Auto power off function.
- ❑ Data Hold function.
- ❑ Data memory and read function.
- ❑ Data logger function.
- ❑ USB Interface.

APPLICATIONS

- ❑ Luminance measurement of LCDs, CRTs, LEDs, etc.
- ❑ Luminance measurement of street lighting, tunnel lighting, etc.
- ❑ Measurement of airport lighting facilities.
- ❑ Transmittance measurement for LCD polarizing plates and various filters.
- ❑ Measurement of medical lighting.
- ❑ Illuminance irregularities of automobile license plates.
- ❑ Luminance measurement of various lighting facilities, etc.

SPECIFICATIONS

Display	Dual display 4 digit LCD read out.
Measuring Range	99.99, 999.9, 9999, 99.99k, 999.9k, 1999k cd/m ² 9.999, 99.99, 999.9, 9999, 99.99k, 580.0k fL Auto ranging (6 step) (1 fL = 3.426 cd/m ²)
Measuring Angle	2°
Overrange Display	OL is displayed
Resolution	0.01 cd/m ² , 0.001 fL
Accuracy	±3% rdg ±5dgt (Calibrated to standard incandescent lamp, 2856°K, at 25°C /77 °F)
CIE Photopic f' _t	≤ 6%
Temperature Characteristics	±0.1%/ °C
Measuring Rate	Approximately 5 time/sec
Photosensor	Silicon photodiodes
Data Memory Capacity	999 sets. (Direct reading from LCD display)
Data Logger Capacity	microSD 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	40f×158(L)mm
Dimension	150(L) × 72(W) × 35(H)mm
Weight	Meter: 235g, Photosensor: 210g
Accessories	Carrying case, Instruction manual, Battery, CD software, USB cable.



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