

# TES

Reliable in Quality



## TES-137 Luminance Meter

- Dual Display, 4-digit LCD reading
- Measuring Levels Ranging 0.01 to 1999k cd/m<sup>2</sup>, 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





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# 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/m<sup>2</sup>, 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

<b>Display</b>	Dual display 4 digit LCD read out.
<b>Measuring Range</b>	99.99, 999.9, 9999, 99.99k, 999.9k, 1999k cd/m <sup>2</sup> 9.999, 99.99, 999.9, 9999, 99.99k, 580.0k fL Auto ranging (6 step) (1 fL = 3.426 cd/m <sup>2</sup> )
<b>Measuring Angle</b>	2°
<b>Overrange Display</b>	OL is displayed
<b>Resolution</b>	0.01 cd/m <sup>2</sup> , 0.001 fL
<b>Accuracy</b>	±3% rdg ±5dgt (Calibrated to standard incandescent lamp, 2856°K, at 25°C /77 °F )
<b>CIE Photopic f '1</b>	≤ 6%
<b>Temperature Characteristics</b>	±0.1%/ °C
<b>Measuring Rate</b>	Approximately 5 time/sec
<b>Photosensor</b>	Silicon photodiodes
<b>Data Memory Capacity</b>	999 sets. (Direct reading from LCD display)
<b>Data Logger Capacity</b>	microSD CARD 4GB
<b>Operating / Storage Conditions</b>	0°C to 50°C <80% RH -10°C to 60°C <70%RH
<b>Power Source</b>	6 pcs AAA size Battery
<b>Battery Life (typical)</b>	100 hours
<b>Photosensor Lead Length</b>	150 cm (approx.)
<b>Photosensor Dimensions</b>	40f×158(L)mm
<b>Dimension</b>	150(L) × 72(W) × 35(H)mm
<b>Weight</b>	Meter: 235g, Photosensor: 210g
<b>Accessories</b>	Carrying case, Instruction manual, Battery, CD software, USB cable.



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