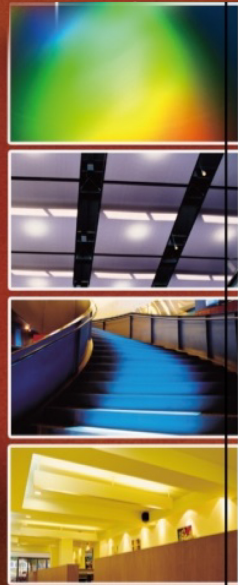


# TES

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





Reliable in Quality

# 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><br>9.999, 99.99, 999.9, 9999, 99.99k, 580.0k fL<br>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<br>-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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