



### 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 7 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:

Model	TES-137
Display	Dual display 4 digit LCD read out.
Measuring range	9.999, 99.99, 999.9, 9.999k, 99.99k, 999.9k, 1999k cd/m <sup>2</sup> 9.999, 99.99, 999.9, 9.999k, 99.99k, 580.0k fL Auto ranging (7 step) (1 fL = 3.426 cd/m <sup>2</sup> )
Measuring Angle	E2°
Overrange Display	OL is displayed
Resolution	0.01 cd/m <sup>2</sup> , 0.001 fL
Accuracy	±3% rdg ±5dgt (C brated to standard incandescent lamp, 2856°K at 25°C/77°F)
CIE Photopic f '1	≤6%
Temperature Characteristics	±0.1%/ °C
Measuring Rate	Approximately 5 time/sec
Photosensor	Silicon photodiodes
Data Memory Capacity	200 sets. (Direct reading from LCD display)
Data Logger Capacity	micro SD CARD 4GB
Operating / Storage Conditions	0°C to 50°C <80% RH    -10°C to 60°C <70%RH
Power Source	6 pcs 1.5V AAA size Battery
Battery Life (typical)	50 hours
Photosensor Lead Length	90 cm (approx.)
Photosensor Dimensions	40×158 (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.