



DT-1309 / Wide Range Professional Light Meter with USB PC Interface

The DT-1309 Digital Light meter is a precision instrument that is used to measure illuminance (Lux / Ft-cd) It meets the CIE photopic spectral response and it is fully cosine corrected for the angular incidence of light. The illuminance meter is compact, tough and easy to handle and use. The light sensitive component used in the meter is a very stable, and incorporates a long-life silicon photo diode and spectral response filter for best accuracy.

Features:

- Light-measuring levels ranging form 0.1 Lux ~ 0.1 kLux / 0.01 Ft-cd ~ 0.01 kFt-cd
- High Accuracy and Fast response
- Data-hold function holds measurement value
- Auto zero function
- Meter corrected for spectral relative efficiency
- Built-in Correction factor for non-standard light sources.
- Peak-hold capture function for short duration light pulses
- Auto power off (20 min.)
- Max / Min measurements
- Relative reading
- Easy to read large backlight display
- USB output connects with PC
- Auto ranging

Specifications:

1. Display : 3-3/4 digit LCD with high speed 40 segment bar graph.
2. Measuring Range: Lux,400.0 Lux,4000 Lux,40.00 KLux and 400.0 KLux /40.00 FC,400.0 FC,4000 FC,40.00 KFC.
3. Over range Display: LCD will show "OL" symbol.
4. Spectral Response: CIE Photopic. (CIE human eye response curve).
5. Spectral Accuracy: CIE $V\lambda$ function $f_1' \cong 6\%$
6. Cosine Response: $f_2' \cong 2\%$
7. Accuracy: $\pm 5\%$ rdg $\pm 10d.$ ($<10,000$ Lux)
 $\pm 10\%$ rdg $\pm 10d.$ ($<10,000$ Lux)
8. Repeatability: $\pm 3\%$
9. Sampling Rate: Approx. 2 samples/sec
10. Photo Detector: Silicon photo diode and Spectral response filter.
11. Operating temperature & Humidity : 32°F to 104°F & 0% to 80% RH.
12. Storage Temperature & Humidity : 14°F to 140°F & 0% to 70% RH.
13. Power Source: 1 piece 9V battery
14. Photo detector Lead Length: 50" (approx.)
15. Meter Dimensions: 6.7" X 3.1" X 1.6"
16. Weight: 390g

Accessories:

Gift box with Carry case, Instruction manual, 9Vdc Battery, USB cable and Windows software



