

# ILT2500

## CW and Pulsed/Flash Light Measurement System



ILT2500

### Meter specifications

- 5 pA - 1 mA current, 9 decades of light intensity measurements
- Automatic ranging and averaging
- 4 GB internal memory
- 0 - 40o C operating temp
- USB: Micro for data download
- USB: Mini for charging and Datalight III PC& Mac light measurement software
- Detector/Sensor connector: 15 pin connector
- Detector range: UV-VIS-IR (sold separately)
- Dimensions: 13/5" x 3" x 6" (H x W x L)
- CE certified
- Made in the USA

### Features

- Flash measurement capability with:
  - Flash App: for 0 to 250 Hz with graphical profile
  - Beacon App: .3 to 1.4 Hz for NFPA72 strobe testing with programmable flash count, integral, peak, and frequency
- Large 4.3" capacitive touch screen display
- Hand-held, ergonomic design
- Built-in Faraday cage for low-end optical stability
- Broadest measurement range in its class at 9 decades
- Spectrum App:
  - The ONLY hand-held meter that can also be used as a spectrometer
  - Spectrum App measures 380-840 nm with ILT spectrometer head MEMS 880

### Description

The ILT2500 is the most versatile light measurement system ever designed by ILT. It combines the ease-of-use of our hand-held, portable optometer, the measurement range of a Research/Lab radiometer, pulsed light profiling similar to an oscilloscope, and the spectral measurement capability of a spectrometer. Combined with our NIST traceable / ISO17025 accredited calibration, and a wide array of sensors, optics, integrating spheres and the new MEMS880 spectrometer head, the ILT2500 applications abound!



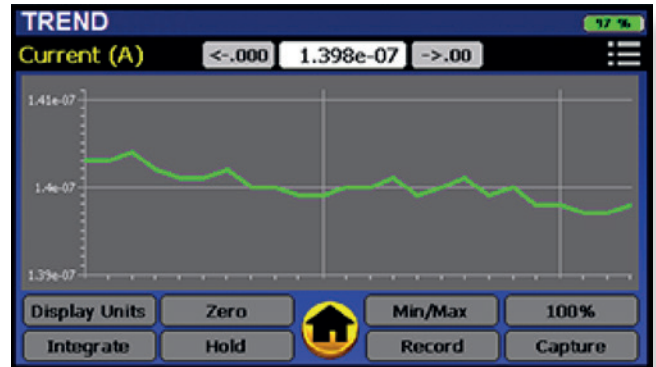
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The ILT2500 Datalight light measurement software is packed full of apps!



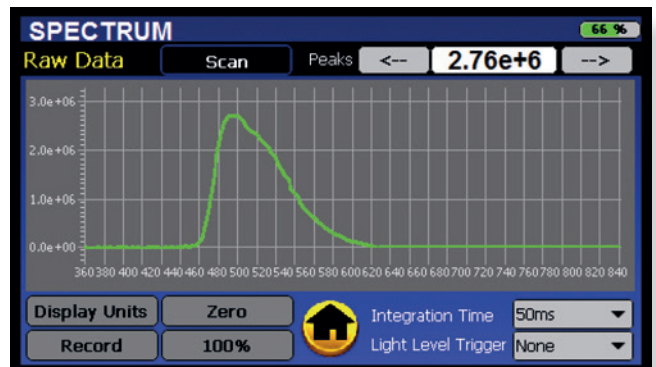
**Meter** is the standard application for steady-state light measurements and includes features such as Integrate, Hold, Zero, Min/Max/Peak, as well as data recording all with the touch of a button. The screen can be viewed in both portrait (tall) and landscape (wide) modes.



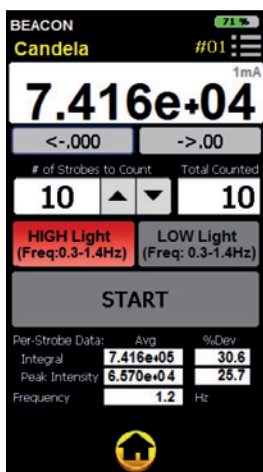
**Trend** has all the same features of Meter, however the numerical display is greatly reduced in size to allow for a large graph. The graph can be programmed as a line or bar chart, and is also available in portrait or landscape orientations.



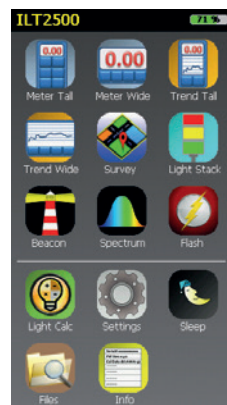
**Flash** is designed for measurement of pulsed light sources such as Xenon Pulse UV lamps. It includes a flash count, profile of the peak of the flash, as well as the integrated dosage readings.



**Spectrum** is the only radiometer application that allows spectral measurement on a hand-held radiometer. The MEMS880 Spectrometer head is sensitive from 380-840 nm (sold separately)



**Beacon** is for slower pulsed/flashing sources including NFPA72 strobe testing. Measure from .3-1.4 Hz.



**Survey** allows data to be sorted by location or light source and Light Stack has a programmable color changing display (red/yellow/ green) and sound alert for quick troubleshooting.