ILT2400

Hand-Held Light Meter & Optometer With Touch Screen Display

Features:

- **Research Quality at a Hand-held Price**
- **Meter & Sensors with NIST Traceable ISO17025 Accredited Calibration**
- **Hand-held, Compact, Ergonomic Design**
- **Brilliant 4.3" Touch Screen Display**
- **90° Flip Screen for Landscape and Portrait Viewing**
- **8 Decade Dynamic Range**
- **ILT's Accuspan: Auto-ranging with Smart Averaging**
- **Built-in Rechargeable Battery Lasts Up to 8 Hours**
- **Backwards Compatible with ILT1700 Sensors**
- **Measurement Speeds Up to 100 µSeconds**
- **Made in U.S.A.**

Specifications:

- Measurement Range: 50pA – 1mA current, 8 decades of light intensity measurements
- 4.3" VGA Capacitive touch screen color display
- 5V Reverse Bias
- Automatic Ranging and Averaging
- 4 GB Internal memory
- Operating Temperature: 0-40° C
- USB: Micro for data download
- USB: Mini for charging and remote data logging using DataLight II PC software
- Size:1-3/5" H x 3" W x 6" L
- Detector/Sensor connector: 15 pin connector
- CE certified: No RF noise

Description:

The ILT2400 is the most advanced hand held light meter and optometer on the market today. ILT's Accuspan software automatically sets the averaging while rapidly measuring over 8 decades of light intensities.

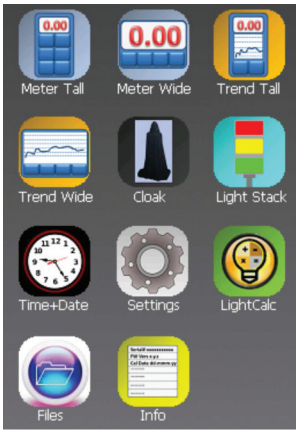
The internal software allows customers to capture a peak as brief as 100µS and to store up to 16 readings per second.

The color display works in both landscape and portrait mode.

The ILT2400 supports numerous light measurement applications including Audience Scanning Laser Safety, General Purpose Light Measurements, Research, Sterilization/UVGI, Solar, Photoresist – lithography, Optical Radiation Hazard, Phototherapy, Photo-Degradation, PPF & PPFD Plant Studies, and more.

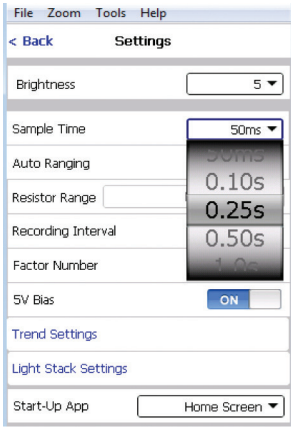
International Light TECHNOLOGIES

ILT2400 Hand-Held Light Meter & Optometer



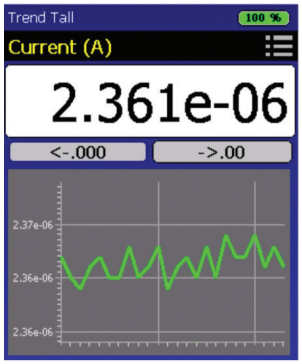
Home Screen is used to move between applications including:

- Meter Tall for Portrait, Meter Wide for Landscape
- Trend Tall for Portrait, Trend Wide for Landscape
- Cloak for low light environments, Includes large 1 touch sampling button
- Light Stack sets up indicator levels: Green for Good, Yellow for Caution, Red for Warning
- Time and Date for setting the calendar and clock
- Settings for changing parameters such as, Calibration factor selection, Sample time, Background brightness, Bias on/off, etc.
- LightCalc handy calculators such as lux to fc converters
- Files provides easy access to saved data
- Info lists the firmware and software version

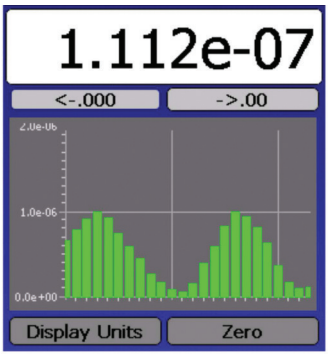


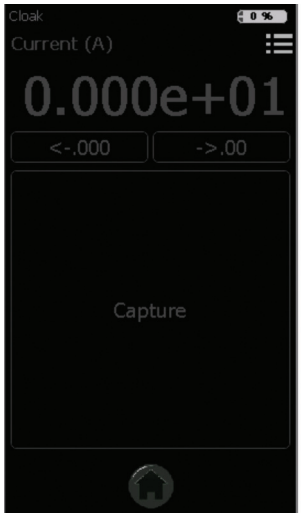
Meter Screen provides a large numerical display which allows customers to easily view the measurement data. While using Meter, customers can also perform many processes including:

- Increase or decrease digits of resolution
- Display units: Empirical units-Calibration units, Current, % etc.
- Zero: Sets the zero level for ambient subtraction or dark zero.
- Integrate: Provide a summation of the exposure
- Hold: Freezes the value in the numerical display
- Min/Max: Toggles between Min on, Max on, Min/Max off. Min -display remains fixed until a reading lower than the displayed value is obtained. Max changes when a higher reading is obtained
- 100%: Sets the value for 100%
- Record: Continuous recording of data on/off (Record/Stop Recording)
- Capture: Stores a single reading with date time stamp when pressed



Trend Screen has all the same features included in meter plus a large easy to read graph showing the readings over time. The graph can be displayed in bar or line graph format. Trend Tall is used for portrait mode and Trend wide is used for landscape mode. The Y scale of the graph is the measurement data in the programmed calibrated units, amps for uncalibrated sensors, or in percentage. The X scale is the time interval in seconds. The inclusion of the graph reduces the size of the toggle buttons, but does not eliminate any features.





Cloak limits the amount of light added to the environment during test. It was designed to allow taking measurements in a dark environment as easy as possible without compromising the results. Simply touch the oversized sample button and a single reading will be stored into the internal memory.

The ILT2400 includes a micro USB cable that can be use to extract all saved readings with a date time stamp using Cloak, Trend and Meter apps.

The home button at the bottom returns the display to the home screen as shown above.

Note: The ILT2400 can also run on windows 7 and 8 computers using ILT's Datalight III software apps, Meter, Trend, Bar, and Flash.

50 Years of Innovation in Light Technology 1965-2015

International Light Technologies

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