10 ILT6000 Units in 19" Rack

ILT**6000**
Rack Mount Multi-System Radiometer/Optometer
WIRED & WIRELESS Versions

Features:

- Each ILT6000 Rack Mount Kit Includes 2 units, Expandable to 10 Units per Rack (A6000 add on kit sold separately)
- Stand-Alone or Mount in Standard 19" Rack
- Run Multiple Systems Simultaneously Allowing Measurements From 2 to Hundreds of Units.
- 10 Decade Dynamic Range of Optical Analysis.
- Built in Wireless (ILT6000A wired version)
- Made in USA.
- Autorange, Autodark, Auto-sample with User Control Options.
- Multi-System Simultaneous Continuous Monitoring
- DataLight II Complementary Light Measurement and Data Collection Software for Windows 7 & 8.
- Labview Compatible.
- NIST-Traceable/ISO17025 Accredited Calibration and Certificate.
- Backwards Compatible with ILT1700 SED Detector/Filter/Optics.
- Sample Rate Up to 100 Hz, Programmable.
- Custom & OEM Inquiries Welcome.

SPECIFICATIONS

Meter:
- **Measurement Range:** 100 fA – 1 mA.
- **Reverse Bias:** (2 Voltages/selectable).
- **Automatic Ranging:** Rapid switching through all current levels.
- **Built-in Rechargeable Batteries.**
- **WiFi:** Enabled (ILT6000A disabled)
- **Operating Temperature:** -40 to 85ºC (Calibrated Irradiance 0-40ºC)
- **USB:** USB2, Including Power, for Single and Multiple Systems
- **USB Current Draw:** 500 mA max, 250 mA typical per A6000 unit
- **Input connector:** D-Sub and/or SMA.
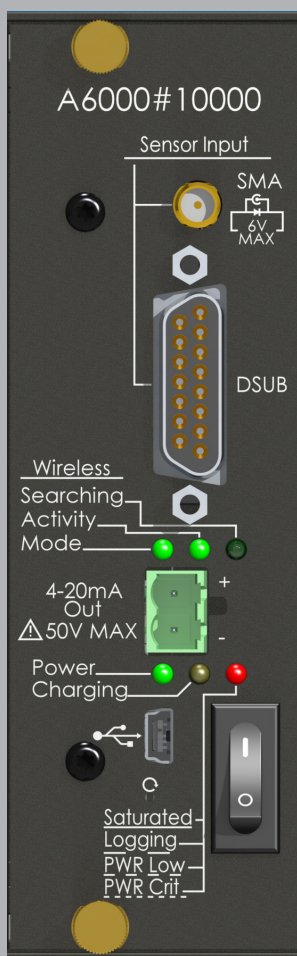- **CE certified:** No rf/noise.

Software:
- **Apps:** Meters, CLI, Bar, Trend, Flash, and Reports apps all included
- **Direct Reading:** Current or calibrated optical units
- **Time Line:** Scheduled data acquisition
- **Data Storage:** Internal (includes units, date and time stamps)
- **Integration Range:** Unlimited dosage exposure
- **Transmission/Reflectance:** (100%)
- **Optical Density:** 0.00 to 4.00
- **Zero:** (Dark or ambient subtraction)
- **OEM Custom Software Development Available**

Minimum Computer System Requirements:
- **Tablet:** Minimum 8" tablet
- **Operating System:** Windows 7 or 8
- **Memory/RAM:** Minium 1 GB RAM (on board)
- **Storage:** 32GB (flash or SSD)
- **Processor:** at least1.83GHz (with minimum 2MB Cache)
- **Ports:** 1 Micro-USB 2.0 Port
- **Wi-Fi® Wireless networking** (802.11b/g/n)
- **Bluetooth® v 4.0**

Also Recommended:
Micro SD/SDHC/SDXC Card slot (extra storage, data offloading/backup)
OTG Cable (Micro-USB 2.0 to USB 2.0 (for program updates as needed)
Micro-USB to Ethernet Cable for Non-wireless Network Connectivity

ILT6000 Unit

DESCRIPTION

The ILT6000 comes standard with two A6000 10 decade measurement boards installed. Each ILT6000 is expandable to 10 systems by adding up to 8 additional A6000 units. Each A6000 Kit includes NIST Traceable calibration from 1e^{-12} to 1e^{-3} amps and can measure current from 100fA to 1 mA with measurement speeds of up to 100 Hz.

The A6000 is backward compatible with all ILT SED (ILT1700) sensors and can store up to 20 optical calibration in empirical units such as; W, W/cm^2, lux, fc, lm, cd/m^2, µmol/m^{-2} s^{-1} and more.

The broad linear dynamic range of the ILT6000/A6000 and the SMA input connector allow the system to also serve as a broad-range, highly sensitive and accurate multi unit pico ammeter.

The 4-20 mA output allows for easy system control and can be connected to a PLC or 4-20 mA display.

The ILT6000 supports numerous light measurement applications including, but not limited to; Radiometry, Photometry, Reasearch, UVGI- Sterilization, Solar, Photoresist, Optical Radiation Hazard, Phototherapy, Photo-degradation, PAR-Quantum and more.
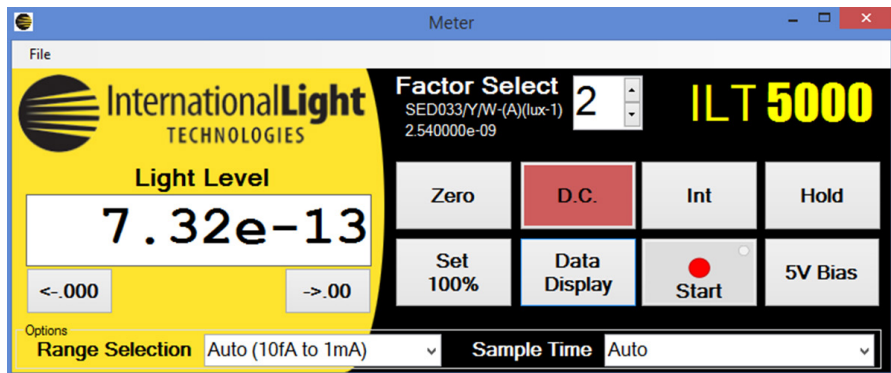

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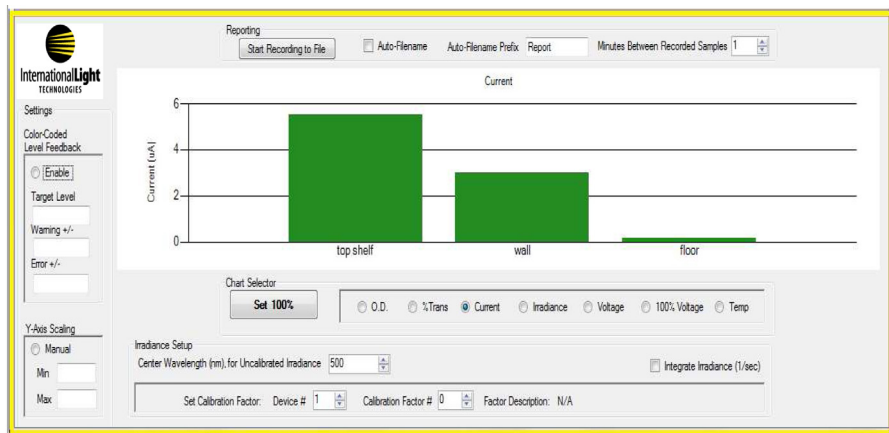P: 978-818-6180
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DataLight II was designed to support ILT's new line of light meters including the ILT1000, ILT5000, and ILT6000. The software kit includes a variety of user friendly applications including Meter, Bar, Trend, Flash, CLI, NetConfig, and FW update. The extensive API can be used with CLI as well as Labview. All software is provided at no cost and includes complementary upgrades for one year.
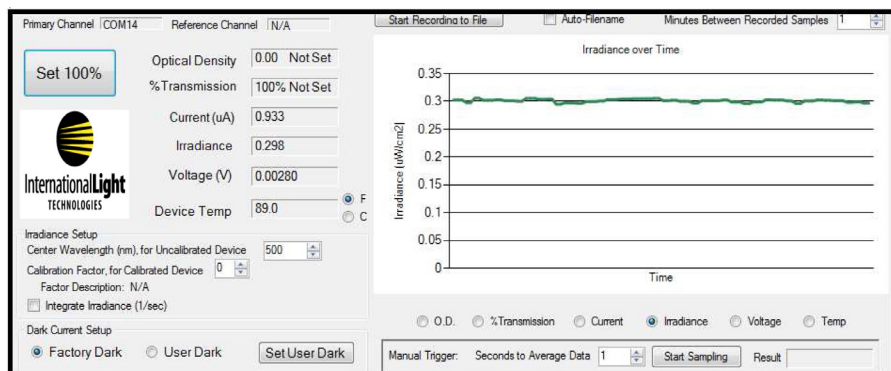
Meters App on PC/Tablet Screen

Meters - Designed to maintain the look and feel of the Industry Standard ILT1700 Research Radiometer. Designed for wireless use with windows 8 tablets and touch screen computers, the larger, user-friendly panel includes buttons for hold, zero, integrate, factor, range, average and units selection.

Bar App on PC/Tablet Screen

BAR - Allows multisystem, datalogging and displays the user switchable parameter in a bar graph. The expandable graph can accommodate up to 32 systems simultaneously with use of hub(s). User can enter nicknames for each unit to define the location, application, version, serial number, etc. Customer can program max and min warning levels and use color coded bar responses for easy troubleshooting.

Trend App on PC/Tablet Screen

TREND - Displays a horizontal graph of the light output over time. This App allows customer to quickly change between calibration factors and to create their own calibration factors with the user friendly self calibration feature. The record feature allows customers to create a spreadsheet of all readings including OD, %trans, Current, Light Level, Voltage, Temperature, Date and Time.

CLI is a very basic command line interface program that allows customer to type commands from the API and record readings into the device memory.

Datalog is a user interface that allows remote "set it and forget it" datalogging.

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50 Years of Innovation in Light Technology 1965-2015