



	ILT5000	ILT2500	ILT2400	ILT1000	ILT1700* (Discontinued)	ILT1400** (Discontinued)
Capability	10 decades	9 decades	8 decades	8 decades	10 decades	7 decades
Sensitivity	10 fA to 1 mA	1 pA to 1mA	10 pA to 1mA	10 pA to 1mA	200 fA to 2mA	10 pA to 350 µA
Calibration	1 pA to 1 mA	5 pA to 1 mA input current	50 pA to 1 mA input current	50 pA to 1 mA input current	100 pA to 1 mA input current	1 nA to 350 µA
Range changing	Auto and fixed range.	Auto and fixed range.	Auto and fixed range.	Auto and fixed range.	Auto and fixed range.	Autoranging
WiFi Access	Yes WEP/WPA/WPA2	N/A	N/A	N/A	N/A	N/A
Integration Modes:	Long term, short term and programmable interval	Long term, short term and programmable interval	Long term, short term and programmable interval	Long term, short term and programmable interval	Long term and flash digital integration	Long term digital integration (steady sources only)
Averaging / Rate	Programmable from 10ms (100 reading/sec) to 15sec	Programmable from 10ms (100 reading/sec) to 15sec	Programmable from 10ms (100 reading/sec) to 15sec	Programmable from 10ms (100 reading/sec) to 15sec	N/A up to 8 readings per second	N/A 1 reading per second
Device Readout	N/A	4.3"VGA Capacitive touch screen display	4.3"VGA Capacitive touch screen display	N/A	3.5 digit + EXP	32 character back lit LCD
Software Data Visualization	Complimentary DataLight III software with API	ILT2400 Datalight plus Beacon,Flash &Spectrometer	Internal Datalight software plus PC software Datalight III	Complimentary DataLight III software with API	Complimentary basic labview drivers with code	Complimentary basic labview drivers with code
Outputs	USB and 4-20 mA output	USB	USB	USB and 4-20 mA output	USB and RS232	USB
Communcation	USB	USB	USB	USB	N/A	N/A
Factor Storage	20 Factors	20 Meter/20 Smart sensor	20 Meter/20 Smart sensor	20 Factors	10 Factors	N/A
Real Time Clock	Yes	Yes	Yes	Yes	N/A	N/A
Auto "Headless" Logging	yes	yes	yes	yes	N/A	N/A
Data storage	up to 16,000 readings	4GB internal memory	4GB internal memory	up to 16,000 readings	N/A	N/A
Sensor Options	Works with ALL ILT D sub sensors Plus SMA connector	Compatible with most "##D" sensors (less SHD)	Compatible with most "##D" sensors (less SHD)	Built in Solid state detectors	Works with ALL ILT sensors	Card edge "L" style sensors only
Battery Life	12 hrs	Up to 8 hrs	Up to 8 hrs	N/A	8 hrs	48 hrs (no backlight)
Diode Bias Voltage	5V	5V	5V	N/A	5V	5V
Special features	Broadest dynamic range/ Lowest light level capability	All the features of ILT2400 plus	8 decades of light measurement	Simultaneous multi-meter monitoring.	Broad dynamic range	Back lit display
	Sensor recognition	Flash App for rapid pulses 0-250Hz:	Compact, hand held, ergonomic design	Set it and forget it data logging	Flash measurement-as brief as 5 usec.	Sensor recognition
	Simultaneous multi-meter monitoring.	High and low ranges	Easy self calibration feature	Works with PC and Tablet wirelessly. (accessories sold separately)	Mutli-sensor multiplexing with A803	Auto loading of calibration factor
	Apps work with PC, Tablet and mac- wired or wirelessly.	Auto zero before integrate	Measures Intensity, OD, %, Current, (& temperature as a custom option)	Measures Intensity, OD, %, Current, Voltage and temperature	Industry Standard with decades of proven results	Last Cal Date stored within device
	Extensible API for custom programming and integration.	Flash profile	Rechargeable batteries	Extensible API for custom programming and integration.	Optional Rechargeable battery pack.	
	Can be powered by cell phone batteries pack and accessories for "headless" monitoring	Beacon App: For slower pulse/flash including NFPA72 strobe testing. .3-1.4Hz:	Multi session data storage	Can be powered by cell phone batteries pack and accessories for "headless" monitoring	Proven Industry Standard	
	Broadest calibrated measurement range	Programmable pulse count	Hold, Integrate, Peak, DC, Zero, Sample, Min, and Max	Last Cal Date stored within device		
	Set it and forget it data logging	Programmable averaging	Programmable averaging	Auto-Calibration Factor Setting (via Trend software)		
	Sma connector for use with Non ILT photo diodes.	Integral, peak and frequency	Programmable sample times	Auto-Calibration Factor Setting (via Trend software)		
	Measures Intensity, OD, %, Current, Voltage and temperature	Spectrum app: Allows spectral measurements with graphing of spectrum 380-840 nm	Auto ranging in scientific notation (4e-9, 5e-3, 1e+0) or Empirical units (4 nW/cm2 5mW/cm2, 1W/cm2)			

*The ILT1700 has been replaced by the ILT5000

**The ILT1400 has been replaced by the ILT2400