

COMPARISON CHART – TECHNICAL SPECIFICATIONS

	ILT5000	ILT2400	ILT1000	ILT1700	ILT1400*
Capability	11 decades	8 decades	6 decades (8 decades pending release)	10 decades	7 decades
Detection Range	10 fA to 1 mA	1 pA to 1mA	100 pA to 1 mA	200 fA to 2mA	10 pA to 350 µA
Calibrated Range	100 fA to 1 mA	50 pA to 1 mA input current	1 nA to 1 mA	100 pA to 1 mA input current	1 nA to 350 µA
Range changing	AccuSpan™ Auto and fixed range, programmable	AccuSpan™ Auto and fixed range, programmable	AccuSpan™ Auto and fixed range, programmable	Auto and fixed range.	Autoranging
WiFi Access	Yes With WEP/WPA/WPA2	N/A	N/A	N/A	N/A
Integration Modes:	Long term, short term and programmable interval with reporting	Long term, short term and programmable interval with reporting	Long term, short term and programmable interval with reporting	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	N/A up to 8 readings per second	N/A 1 reading per second
Device Readout	N/A	4.3"VGA Capacitive touch screen color display	N/A	3.5 digit + EXP	32 character back lit LCD
Software Data Visualization	Includes DataLight II, Trend charts ("Trend" software), Multi-Channel charts ("Bar" software), Meter Simulator ("Meter" software)	Internal Meter, Trend & Cloak. External/PC, works with Datalight II	Includes DataLight II, Trend charts ("Trend" software), Multi-Channel charts ("Bar" software), Meter Simulator ("Meter" software)	Complimentary basic labview drivers, Softdaq multiplexer software. (requires A803)	Complimentary basic labview drivers (USB data output only)
Outputs	USB and programmable 4-20 mA output	USB	USB and 4-20 mA output	USB and RS232	USB
Programmable Control	USB	USB	USB	N/A	N/A
Factor Storage	20 Factors	20 Factors	20 Factors	10 Factors	N/A
Battery-Back Real Time Clock	Yes	Yes	Yes	N/A	N/A
Auto "Headless" Logging	Programmable period (10ms to 1 day) with Light-Level Trigger	Programmable period (10ms to 1 day) with Light-Level Trigger	Programmable period (10ms to 1 day) with Light-Level Trigger	N/A	N/A
Data storage	Built in Data storage capability(up to 16,000 readings)	4GB internal memory	Built in Data storage capability(up to 16,000 readings)	N/A	N/A
Sensor Options	Works with ALL ILT D sub sensors	Backward compatible with ILT1700 SED sensors(less SHD)	Built in Solid state detectors	Works with ALL ILT sensors	Full range, less low light/flash
Battery Life	12 hrs	Up to 8 hrs	N/A	8 hrs	48 hrs (no backlight)
Diode Bias Voltage	5V	5V	N/A	5V	5V
Special features	Broadest dynamic range/ Lowest light level capability	Extended dynamic range- 8 decades	Simultaneous multi-meter monitoring.	Broad dynamic range	Back lit display
	Sensor recognition	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.	Easy self calibration feature	Works with PC and Tablet wirelessly. (accessories sold separately)	Multi-sensor multiplexing	Auto loading of calibration factor
	Apps work with PC and Tablet wired or wirelessly.	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.	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	Multi session data storage	Can be powered by cell phone batteries pack and accessories for "headless" monitoring	Proven Industry Standard	
	Last Cal Date stored within device	Hold, Integrate, Peak, DC, Zero, Sample, Min, and Max	Last Cal Date stored within device		
	Set it and forget it data logging	Programmable averaging	Auto-Calibration Factor Setting (via Trend software)		
	Auto-Calibration Factor Setting (via Trend software)	Programmable sample times	Auto-Calibration Factor Setting (via Trend software)		
	Measures Intensity, OD, %, Current, Voltage and temperature	Cloak software for low light level environments			

* NOTE: ILT1400 Discontinued May 2016 - Replaced by ILT2400