

HARTA MicroLumi L2 Luminometer



The MicroLumi L2 is the quietest and most sensitive Luminometer in the market. Most notable is our proprietary photon counting system can count up to 286^{66} , yet reads zero when there's absolutely no photons to count, and machine to machine reading consistency. This very robust luminometer is designed to survive shock and vibration associated with field / mobile lab uses.

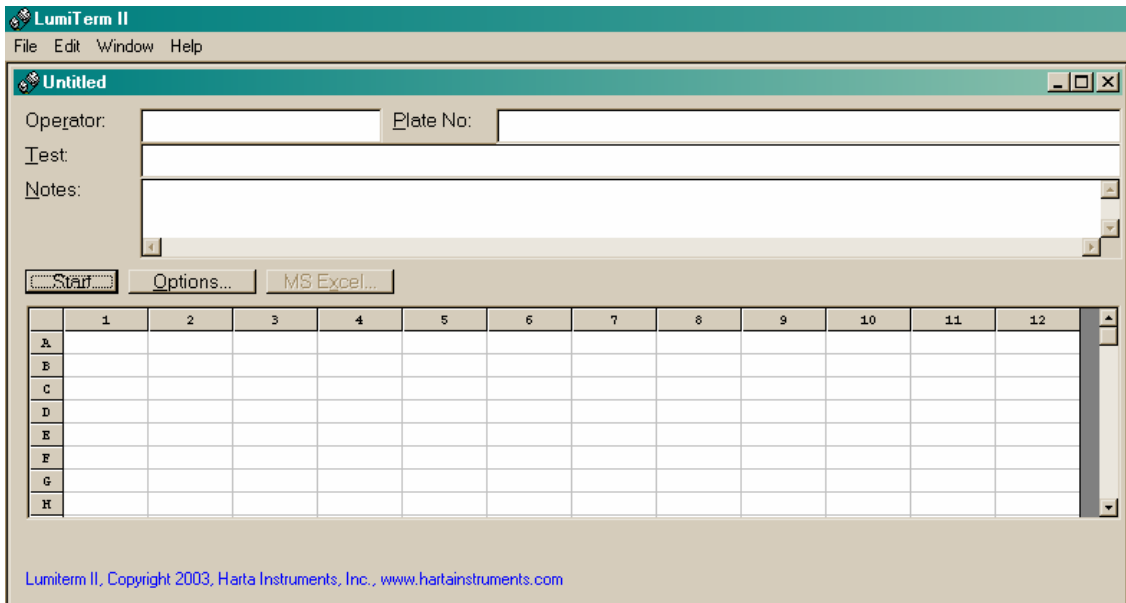
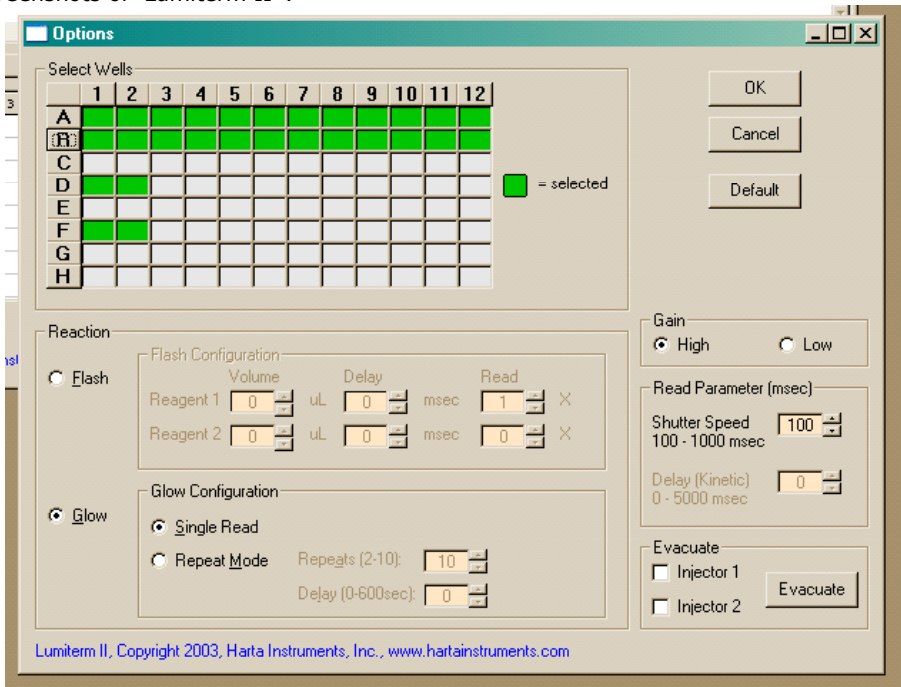
Specifications:

Sensitivity:	10^{-20} moles of luciferase using Promega Bright-Glo assay
Linear Dynamic Range:	> 7 decades, max count : 268×10^6
Crosstalk:	$< 2 \times 10^{-6}$
Detector:	Photomultiplier Tube (PMT) Spectral Response: 300 – 650 nm Peak Wavelength: 420 nm
Detection Method:	Digital Photon Counting (proprietary technology)
Shutter Speed:	100 – 10,000 msec
Detection Mode:	Glow Luminescence
Reading Method:	Direct access, only reads selected wells, skipping unselected wells
Plate format:	96 well, (8 x 12) format
Reading Speed:	Approximately 100 sec / full plate
User Interface:	User-friendly Lumiterm II [®] software, controls all machine functions, is included. Lumiterm II [®] exports data to MS-Excel [®] with a mouse click.
Computer Interface:	USB
Power:	External Universal Power Supply, 100-240V, 50-60Hz. Can be run from any 12V 3A power source (optional accessories required)
Dimension:	12.5" D x 8.25" W x 6.0" H, Weight: 12.0 Lbs (5.4 Kg)
Compliance:	UL, CSA, CE
Mechanism:	Patented X-Y Scanner, with Direct Drive Microstepping Motors.

Construction: Very robust custom aluminum extrusions, steel and composites. Self aligning plate positioner, double crosstalk masking, shock and vibration protection system, ball bearings on all rotating parts, 1/4" stainless steel acme drive screws, aluminum pulleys, kevlar drive belts, assures years of trouble-free service.

Warranty: 1 year parts and labor. Optional extended warranty available.

Sample screenshots of Lumiterm II®.



HARTA INSTRUMENTS, INC.

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