

M-LINK

Single channel, PC-based universal power and energy monitor



KEY FEATURES

> THE UNIVERSAL PC-BASED METER

Reads ALL heads:

- Power: thermopiles, photodetectors and pyroelectrics
- Energy: thermopiles (in single shot mode), photodetectors and pyroelectrics

> MEASURE fJ ENERGY LEVELS

Thanks to a unique digital method for suppressing the noise on the lower ranges

> EXTERNAL TRIGGER

Synchronize your M-LINK to your pulsed laser or digital chopper

> DIGITAL (USB) OUTPUT

Connect the M-LINK module directly to your PC

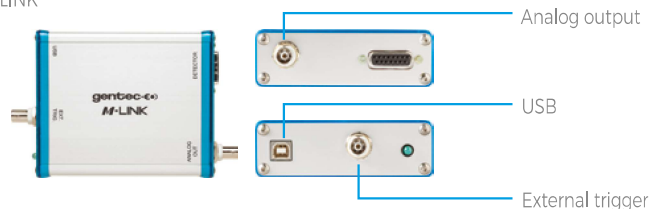
> POWERFUL LABVIEW SOFTWARE

Features include:

- Complete instrument controls: range, trigger, wavelength, etc.
- Live display in J and J/cm² or W and W/cm²
- Full Statistics: min, max, mean, standard deviation, RMS stability, repetition rate, etc.
- Graphic displays: strip chart, histogram, tuning needle and more
- Data file collection and analysis

CONNECTIVITY

M-LINK



ACCESSORIES



USB cable



Pelican carrying case

M-LINK

Specifications

CE NIST*
Traceable
*Also traceable to NRC-CNRC



M-LINK	
DETECTOR TYPES	ALL MODELS: thermopiles, pyroelectrics, photodetectors
DISPLAY	PC-based
POWER METER SPECIFICATIONS	
Power range	4pW to 30kW
Resolution (digital)	Current scale/3000
Monitor accuracy	$\pm 0.5\% \pm 2$ digits
Statistics	Current value, max, min, average, std dev., RMS & PTP stability, time
ENERGY METER SPECIFICATIONS	
Energy range	30fJ to 30 kJ
Resolution (digital)	Current scale/3000
Monitor accuracy	$1\% \pm 2$ digits (< 1kHz)
Software trigger level	0.1 to 99.9%, 0.1% resolution, default 2%
Repetition rate ^a	1000 Hz
Real-time data transfer	1000 Hz with time stamp, no missing point
Statistics	Current value, max, min, average, std dev., RMS & PTP stability, pulse#, repetition rate, average power
DETECTOR COMPATIBILITY	
Thermopile	Average power & single shot energy
Pyroelectric	Pulse energy & average power
Photodetectors	Average power & Pulse energy
GENERAL SPECIFICATIONS	
Digital display	Computer screen
Data display	Real-time, scope, averaging, statistics and digital tuning needle
Serial commands and data transfer via	USB
Real-time data transfer rate	1000 Hz with time stamp, no missing point (for pyroelectrics only)
Analog output	0- 2 V, full scale, $\pm 2\%$ (volumeters) $\pm 4\%$ (wattmeters)
Rising or falling edge external trigger	4.5 to 10 V @ 20 mA, optically isolated
Dimensions	106W x 34H x 147D mm
Weight	0.424 kg
ORDERING INFORMATION	
Product page	

a. Maximum repetition rate may vary with PC and detector speeds.