

# 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

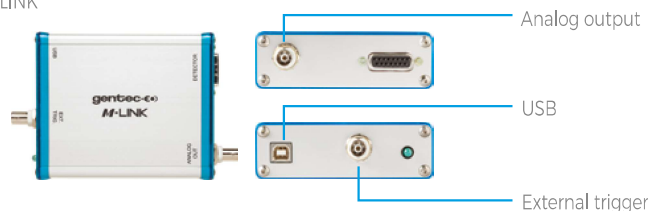
### > POWERFUL LABVIEW SOFTWARE

Features include:

- Complete instrument controls: range, trigger, wavelength, etc.
- Live display in J and J/cm<sup>2</sup> or W and W/cm<sup>2</sup>
- 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

<b>DETECTOR TYPES</b>	ALL MODELS: thermopiles, pyroelectrics, photodetectors
<b>DISPLAY</b>	PC-based

### POWER METER SPECIFICATIONS

Power range	4pW to 30kW
Resolution (digital)	Current scale/3000
Monitor accuracy	±0.5% ± 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	3% ± 2 digits (< 1kHz)
Software trigger level	0.1 to 99.9%, 0.1% resolution, default 2%
Repetition rate <sup>a</sup>	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- 2V, full scale, ± 2% (volumeters) ± 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	
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a. Maximum repetition rate may vary with PC and detector speeds.