

M-LINK

PC interface for power & energy measurement. Single-channel, USB output.



PRODUCT FAMILY KEY FEATURES

THE UNIVERSAL METER

Reads all heads:

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



SPECIFICATIONS

CONTROLLER AND GUI SPECIFICATIONS

Digital display size	Computer screen
Data display	Real time, scope, averaging, statistics and digital tuning needle
Analog output	0-2 V
External trigger	4.5 to 10 V @ 20 mA, optically isolated
Serial commands via	USB

POWER METER SPECIFICATIONS

Power range	4 pW - 30 kW
Digital resolution	Current Scale/3000
Device accuracy	±0.5 % full scale
Statistics	Current value, max, min, average, standard deviation, RMS & PTP stability, time
Response time	Current value, max, min, average, standard deviation, RMS & PTP stability, time

ENERGY METER SPECIFICATIONS

Energy range	30 fJ to 30 kJ
Digital resolution	Current Scale/3000
Device accuracy	1 % ±2 digits (<1 kHz)
Software trigger level	0.1 to 99.9 %, 0.1 % resolution, default 2 %
Repetition rate ¹	1 000 Hz
Real-time data transfer	1 000 Hz with time stamp, no missing point
Statistics	Current value, max, min, average, standard deviation, RMS & PTP stability, pulse #, repetition rate and average power

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

PHYSICAL CHARACTERISTICS

Dimensions 106W x 34H x 147D mm

Weight 0.424 kg

ORDERING INFORMATION

M-LINK 201850

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at gentec-eo.com/contact-us