

M-LINK

Single Channel, PC-Based Universal Power and Energy Monitor

KEY FEATURES

1 The Universal Meter

Reads ALL Heads:

- Power: Thermopiles, Photo Detectors and Pyroelectrics
- Energy: Thermopiles (in single shot mode), Photo Detectors and Pyroelectrics

2 Measure fJ Energy Levels

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

3 External Trigger

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

4 Digital (USB) Output

Connect the M-LINK module directly to your PC

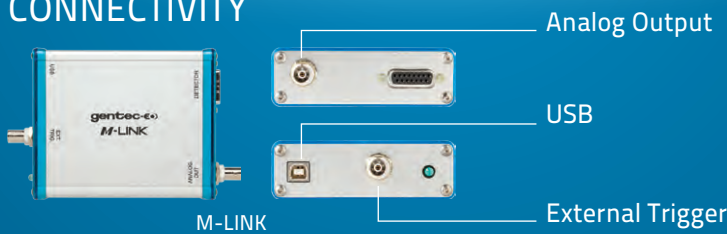
5 Powerful LabView Software

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



ACCESSORIES



USB Cable
(Model Number: 100776)



Pelican Carrying Case

SEE ALSO

ENERGY DETECTORS	34
POWER DETECTORS	54
PHOTO DETECTORS	94
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MONITORS

ENERGY DETECTORS

POWER DETECTORS

PHOTO DETECTORS

THZ DETECTORS

OEM DETECTORS

CALORIMETERS

SPECIAL PRODUCTS

BEAM DIAGNOSTICS

M-LINK

SPECIFICATIONS



Approved or in the process of being approved *

MODEL	M-LINK
DETECTOR TYPES	ALL MODELS: Thermopiles, Pyroelectrics, Photo Detectors
DISPLAY	PC-Based

POWER METER SPECIFICATIONS

Power Range	4 pW to 30 kW
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	30 fJ to 30 kJ
Resolution (Digital)	Current Scale/3000
Monitor Accuracy	$1\% \pm 2$ digits (<1 kHz)
Software Trigger Level	0.1 to 99.9 %, 0.1 % resolution, default 2 %
Repetition Rate ^a	1 000 Hz
Real Time Data Transfer	1 000 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
Photo Detectors	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	1 000 Hz with time stamp, no missing point (for pyroelectrics only)
Analog Output	0-2 Volts, Full Scale, $\pm 0.5\%$
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
External Power Supply (Ethernet version only)	100/240 VAC 50-60 Hz to 9 VDC 1.66 A

ORDERING INFORMATION

Full Product Name	M-LINK
Product Number	201850

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

Specifications are subject to change without notice

www.gmp.ch

GMP SA Main office: Avenue des Baumettes 17 CH -1020 Renens Tél. 021 633 21 21 Fax. 021 633 21 29 info@gmp.ch

GMP SA Büro Zürich: Dübendorfstrasse 11a CH-8117 Fällanden Tel. 044 825 34 00 Fax. 044 825 34 01 info@gmp.ch

* For details, contact your Gentec-EO representative