

U-LINK

Single Channel, PC-Based Universal Power and Energy Monitor



* Available in Summer 2019

AVAILABLE MODELS



U-LINK (USB)



U-LINK (RS-232)



ACCESSORIES



USB, RS-232, External Trigger & Analog Out Cables



Pelican Carrying Case



Additional 9V Power Supply (RS-232 version only)

KEY FEATURES

- 1. THE UNIVERSAL PC-BASED METER**
Reads ALL Heads:
 - Power: Thermopiles, Photodetectors and Pyroelectrics
 - Energy: Thermopiles (in single shot mode), Photodetectors 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 your U-LINK to your pulsed laser or digital chopper
- 4. SYNCHRONIZE MULTIPLE CHANNELS**
With the "SYNC. OUT" port, you can plug multiple U-LINK devices together and create a low-cost multi-channel system.
- 5. SERIAL COMMANDS**
Serial commands are available on both versions to let you take full control
- 5. REAL-TIME STATISTICAL FUNCTIONS**
Max, Min, Average, Standard Deviation, RMS and PTP Stability.

SEE ALSO

ENERGY DETECTORS	34
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PHOTODETECTORS	110
THZ DETECTORS	130
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Watch the Demo video available on our website at www.gentec-eo.com

DISPLAYS & PC INTERFACES
ENERGY DETECTORS
POWER DETECTORS
HIGH POWER SOLUTIONS
PHOTODETECTORS
THZ DETECTORS
OEM DETECTORS
SPECIAL PRODUCTS
BEAM DIAGNOSTICS

U-LINK



SPECIFICATIONS

NEW U-LINK

DETECTOR TYPES	ALL MODELS: Thermopiles, Pyroelectrics, Photodetectors
DISPLAY	1-Channel / PC-Based

POWER METER SPECIFICATIONS

Power Range	4 pW to 30 kW
Resolution (Digital)	23 bits on current scale
Monitor Accuracy	±0.5 % ± 3 μV
Statistics	Current Value, Max, Min, Average, Std Dev., RMS & PTP Stability, Time

ENERGY METER SPECIFICATIONS

Energy Range	2 fJ to 30 kJ
Resolution (Digital)	Current Scale/3754
Monitor Accuracy	1 % ± 50 μV (<500 Hz) / 2 % ± 50 μV (500 Hz - 10 kHz)
Software Trigger Level	0.1 to 99.9 %, 0.1 % resolution, default 2 %
Repetition Rate ^a	10 kHz
Real Time Data Transfer	10 kHz 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	With PC-Gentec-E0: Real Time, Scope, Averaging, Statistics and Digital Tuning Needle
Serial Commands and Data Transfer Via	USB Mini-B (standard) or RS-232 (option)
Real Time Data Transfer Rate ^a	Up to 10 kHz with time stamp, no missing point (for pyroelectrics only)
Analog Output	0-2 Volts, Full Scale, ± 1 %, user-defined
External Trigger	3.3 to 12 V
Dimensions	57W x 26H x 91D mm
Weight	0.12 kg

ORDERING INFORMATION

Product Name	U-LINK (USB)	U-LINK (RS-232)
Product Number	203510	203994

Specifications are subject to change without notice

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

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