

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 Cable
(Model Number: 202372)



RS-232 Cable
(Model Number: 201860)



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 | 40 |
| POWER DETECTORS | 66 |
| HIGH POWER SOLUTIONS | 104 |
| PHOTODETECTORS | 118 |
| THZ DETECTORS | 134 |
| DÉTECTEURS OEM | 150 |
| LIST OF ALL ACCESSORIES | 206 |

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-EO: 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 | Call | Call |

Specifications are subject to change without notice

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

| | | |
|---|-----------------------------------|---|
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