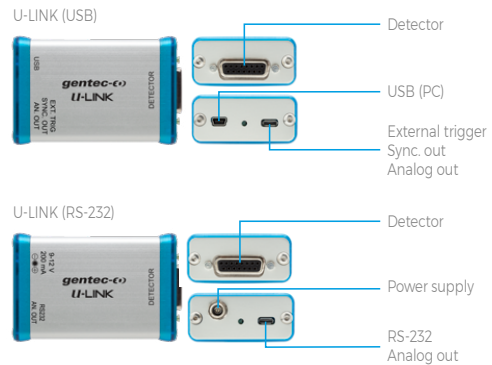


U-LINK

Single channel, PC-based universal power and energy monitor



CONNECTIVITY



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 U-LINK to your pulsed laser or digital chopper (available on U-LINK (USB) model only)
- **SYNCHRONIZE MULTIPLE CHANNELS**
With the "SYNC. OUT" port, you can plug multiple U-LINK devices together and create a low-cost multi-channel system (available on U-LINK (USB) model only)
- **SERIAL COMMANDS**
Serial commands are available on both versions to let you take full control
- **REAL-TIME STATISTICAL FUNCTIONS**
Max, min, average, standard deviation, RMS and PTP stability.

ACCESSORIES





U-LINK

Specifications

CE NIST*
Traceable
IEEE 1905
CLASS 1000
*Also traceable to NRC-CNRC



	U-LINK (USB)	U-LINK (RS-232)
DETECTOR TYPES	ALL MODELS: thermopiles, pyroelectrics, photodetectors	ALL MODELS: thermopiles, pyroelectrics, photodetectors
DISPLAY	1-Channel / PC-based	1-Channel / PC-based
POWER METER SPECIFICATIONS		
Power range	4 pW to 30 kW	4 pW to 30 kW
Resolution (digital)	23 bits on current scale	23 bits on current scale
Monitor accuracy	$\pm 0.5\% \pm 3 \mu\text{V}$	$\pm 0.5\% \pm 3 \mu\text{V}$
Statistics	Current value, max, min, average, std dev., RMS & PTP stability, time	Current value, max, min, average, std dev., RMS & PTP stability, time
ENERGY METER SPECIFICATIONS		
Energy range	2 fJ to 30 kJ	2 fJ to 30 kJ
Resolution (digital)	Current scale/3754	Current scale/3754
Monitor accuracy	$1\% \pm 50 \mu\text{V} (< 500 \text{ Hz}) / 2\% \pm 50 \mu\text{V} (500 \text{ Hz} - 10 \text{ kHz})$	$1\% \pm 50 \mu\text{V} (< 500 \text{ Hz}) / 2\% \pm 50 \mu\text{V} (500 \text{ Hz} - 10 \text{ kHz})$
Software trigger level	0.1 to 99.9%, 0.1% resolution, default 2%	0.1 to 99.9%, 0.1% resolution, default 2%
Repetition rate ^a	10 kHz	10 kHz
Real-time data transfer	10 kHz with time stamp, no missing point	10 kHz with time stamp, no missing point
Statistics	Current value, max, min, average, std dev., RMS & PTP stability, pulse #, repetition rate, average power	Current value, max, min, average, std dev., RMS & PTP stability, pulse #, repetition rate, average power
DETECTOR COMPATIBILITY		
Thermopile	Average power & single shot energy	Average power & single shot energy
Pyroelectric	Pulse energy & average power	Pulse energy & average power
Photodetectors	Average power & pulse energy	Average power & pulse energy
GENERAL SPECIFICATIONS		
Digital display	Computer screen	Computer screen
Data display	With PC-Gentec-EO: real-time, scope, averaging, statistics and digital tuning needle	With PC-Gentec-EO: real-time, scope, averaging, statistics and digital tuning needle
Serial commands and data transfer via	USB	RS-232
Real-time data transfer rate ^a	Up to 10 kHz with time stamp, no missing point (for pyroelectrics only)	Up to 10 kHz with time stamp, no missing point (for pyroelectrics only)
Analog output	0 - 2 V, full scale, $\pm 1\%$, user-defined	0 - 2 V, full scale, $\pm 1\%$, user-defined
External trigger	3.3 to 12 V	3.3 to 12 V
Dimensions	57W x 26H x 91D mm	57W x 26H x 91D mm
Weight	0.12 kg	0.12 kg
ORDERING INFORMATION		
Product page		

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

Specifications are subject to change without notice