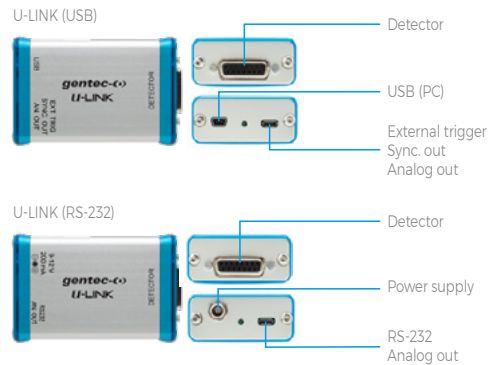


# U-LINK

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  
\*Also traceable to NRC-CNRC



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

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

Specifications are subject to change without notice