

INTEGRA

Embedded PC interface



KEY FEATURES

- > **ALL-IN-ONE DETECTOR + METER**
Plug your detectors directly into your PC with the INTEGRA embedded PC interface
- > **INCREDIBLE PERFORMANCE**
INTEGRA detectors offer the same performance as the usual detector + PC interface combination
- > **USB OR RS-232**
INTEGRA detectors are offered with a choice of USB or RS-232 connector
- > **COMPACT SIZE**
Perfect for the lab, OEM applications and field servicing. No need to carry a meter!
- > **LOWER RECALIBRATION COSTS**
One product = one calibration. Reduce your recalibration costs by half!
- > **UNIVERSAL SOFTWARE-PC-GENTEC-EO**
Control your INTEGRA detector with the same powerful software as the MAESTRO
- > **CUSTOMIZABLE**
Contact us for custom cable lengths and serial commands
- > **NEW! COMPATIBLE WITH MIRO ALTITUDE**
Combine INTEGRA and MIRO ALTITUDE for a portable solution to display and log your measurements

CONNECTIVITY

- > Three models available:
 - USB output (-INT)
 - RS-232 output (-IDR)
 - USB with external trigger (-INE)

USB model name -INT



RS-232 model name -IDR



External trigger model name -INE



ACCESSORIES



USB-A to USB-C adaptor

RS-232 to USB-A convertor

MIRO ALTITUDE

EASY TO MOUNT



Secure it on your optical table

WATCH OUT FOR THIS LOGO!

Available with
integra



BLU

Wireless Bluetooth® PC interface



KEY FEATURES

- **ALL-IN-ONE DETECTOR + METER**
This new line of All-in-One detectors combine a detector and a meter with Bluetooth connectivity in one convenient product. No need to carry a meter!
- **SAVE 50 % ON CALIBRATION COSTS**
One product = one calibration. Reduce your recalibration costs by half!
- **EXTENSIVE COVERAGE**
Receive data at up to 30m from the detector, with the same performance as the usual detector + PC interface combination.
- **EASY TO SET UP**
Perfect for field service, labs and OEM applications.
- **GO WIRELESS**
No need to worry about cable length or PC interface location.
- **LONG BATTERY LIFE**
The USB-rechargeable Li-ion battery lasts up to 5 continuous days with the device running

MEASURE WITH YOUR SMARTPHONE, TABLET OR PC

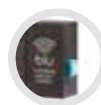
Display the results on your mobile device with the Gentec-EO BLU app available FREE on Google Play and Apple Store. Need to use it with a PC? Simply plug in the included Bluetooth receptor and use PC-Gentec-EO.



The Bluetooth® word mark and logos are registered trademarks owned by the Bluetooth SIG, Inc. and any use of such marks by Gentec-EO is under license.

WATCH OUT FOR THIS LOGO!

Available with





MAIN CONTROLS

Connecting a BLU device is very simple in the mobile application. Just open the app and it will automatically search for all available devices. Then, tap on the desired device in the list.

If there are no devices within range, the app will propose a simulator.

When a BLU detector is connected to a phone or computer, no other device can communicate with it.

MEASUREMENT PARAMETERS

The menu tab, available with the icon or by swiping from the left of the screen, allows you to configure the parameters related to your measurements:

- Wavelength:** Enter the wavelength of your laser and the software will apply the appropriate correction factor on the measurements.
- Range:** Set the power or energy range to a fixed scale or let the software automatically adjust the scale.
- Measure Mode:** Select the type of measurement that will be displayed: power, in watts (default) or single shot energy, in joules (energy/calorimeter mode).
- Corrections:** Apply a multiplication factor and/or an offset to your measurements.
- Trigger Level:** Set the trigger level in 0.1 % steps, from 0.1 % to 99.9 % (in energy mode only).
- Connection:** Use this option to see the list of BLU devices within range.

MULTIPLE DISPLAYS

Select the display that suits you best and watch your measurements in real time! Simply swipe the screen to switch between the various displays:

- Scope:** Line filling graph; grab screenshots to save & share easily with your device
- Needle:** Fast analog-like needle
- Real-time:** Real-time value and corresponding bar graph
- Statistics:** Min, max, average, RMS and PTP stability and standard deviation

DATA ACQUISITION

The acquisition screen allows you to enter the parameters for data acquisition:

- Power mode:** Choose a sample rate (number of measurements per interval of time) and a duration (in days, hours, minutes and seconds) for the data acquisition.
- Energy mode:** Choose a sampling rate (1 pulse out of X pulses) and a duration (total number of pulses) for the acquisition of data.

Once the acquisition is complete, you can export the data to any of the data-sharing apps installed on your mobile device, or send it by email

MAESTRO

Touchscreen, single channel, power & energy monitor

MULTIPLE LANGUAGES



KEY FEATURES

> READS ALL HEADS

- Power: thermopiles, photodetectors and pyroelectrics
- Energy: thermopiles (in single shot mode), photodetectors and pyroelectrics

> LARGE TOUCHSCREEN COLOR LCD DISPLAY

- 5.6in diagonal
- FULLY touchscreen controls

> UNIQUE ERGONOMIC DESIGN

Great for both handheld and tabletop use, with improved rubber bands and kickstand for better stability

> INTUITIVE USER INTERFACE

Easy to navigate interface, with many display features:

- Single or dual graph display
- Instant access to the main functions
- Function search tool
- Interface available in multiple languages

> USB KEY ACCESS

Store data directly on a USB key

> REAL-TIME STATISTICAL FUNCTIONS

Max, min, average, standard deviation, RMS and PTP stability, pulse # and repetition rate

> AVAILABLE OUTPUTS

USB Key, analog output, RS-232, PC-USB, Ethernet

CONNECTIVITY



ACCESSORIES



Additional 9V power supply



Battery pack



USB, RS-232, external trigger & analog out cables



Pelican carrying case

MAESTRO

Specifications

CE Nistr
Traceable
r-7
Also traceable to NRC-CNRC



MAESTRO

DETECTOR TYPES	ALL MODELS: thermopiles, pyroelectrics, photodetectors
DISPLAY	Touchscreen 5.6 in color LCD

POWER METER SPECIFICATIONS

Power Range	
Thermopile	1μW to 30kW
Photodetector	4pW to 3W
Monitor accuracy	0.25% ± 5 μV best scale
Statistics	Current value, max, min, average, standard deviation, RMS & PTP stability, time

ENERGY METER SPECIFICATIONS

Energy range	2fJ to 30 kJ
Monitor accuracy	± 1% best scale
Software trigger level	0.1 to 99.9%, 0.1% resolution, default 2%
Repetition rate	2000 Hz / 10 000 Hz in sampling
Real-time data transfer (to USB key)	2000Hz
Statistics	Current value, max, min, average, std dev., RMS & PTP stability, pulse#, rep. rate and avg power

DETECTOR COMPATIBILITY

Thermopile	Average power & single shot energy
Photodetector	Average power & pulse energy
pyroelectric	Pulse energy & average power

GENERAL SPECIFICATIONS

Interface languages	English, German, French and Japanese
Digital display size	1129 x 84.7 mm LCD - 640 x 480 pixels
Data display	Real-time, scope, statistics, digital tuning needle and averaging
Analog output	0-1 Volt, full scale, ±0.5%
Rising edge external trigger	TTL compatible, 2-25 V at 0.4 mA
Serial commands via	USB (standard), Ethernet or RS-232 (cable in option)
Data storage via	USB key
Dimensions	210W x 122H x 45D mm
Weight (with batteries)	0.67kg
Battery type	4 x rechargeable 12 V Ni-MH AA
Battery life	6.5 hours
External power supply	100/240 VAC 50 - 60 Hz to 9 VDC 1.66 A

ORDERING INFORMATION

Product page



DO NOT DETECTORS

ENERGY DETECTORS

DEMONSTRATION

TEMPERATURE DETECTORS

DISPLAYS & PC INTERFACES

OPTIONAL ACCESSORIES

TUNER

Single Channel, Power Monitor with Tuning Needle



KEY FEATURES

- > **ULTRA-FAST NEEDLE**
Less than 1 second response time
- > **READS ALL POWER DETECTORS**
Thermopiles and photodetectors of the PH100 and PH20 Series
- > **LARGE LCD DISPLAY**
 - 77 x 58 mm
 - 17.5 mm digits
 - Backlight (with AC adaptor)
- > **3 DISPLAY FUNCTIONS FOR THE NEEDLE**
 - Normal
 - Tail Mode (indicates speed)
 - Bar graph

Also HIGH and LOW values hold
- > **SINGLE-BUTTON NAVIGATION**
Direct access and long press access to the main functions
- > **LOW CONSUMPTION**
Lasts 500 hours with 4 AA alkaline batteries

DISPLAY MODE

- > **TAIL:**
Follows the speed of the power change. The comet tail is longer for faster reading changes and shorter for slower reading changes.
- > **BAR GRAPH:**
Fills the needle display up to the real-time value (best mode when viewing from a distance).
- > **HIGH/LOW:**
When activated, indicates the highest and lowest powers since activation. The high and low needles blink to help distinguish them from the real-time value.



ACCESSORIES



Additional 9V power supply



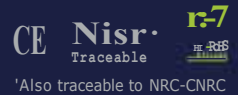
Wall support



Pelican carrying case

TUNER

Specifications



TUNER

DETECTOR TYPES	Thermopiles, photodetectors (PH series)
DISPLAY	LCD with tuning needle and backlight

POWER METER SPECIFICATIONS

Power range	10pW to 10kW
Digital resolution	
PH series	10pW
XLP series	1μW
UP series	1mW
HP series	100 mW (HP60A), 1W (HP100A)
Monitor accuracy	±1% full scale
Statistics	Min.max
Response time	< 1 s

DETECTOR COMPATIBILITY

Thermopiles	Average power I,yI, dBm)
Photodetectors (PH series)	Average power (W, dBm)

GENERAL SPECIFICATIONS

Digital display size	77x58 mm LCD
Needle display	Ultrafast tuning needle
Needle accuracy	0.9%
Refresh rate	4 Hz
Analog output	0-1 Volt. full scale, $\pm 1\%$
Dimensions (without stand)	210Wx122H x44D mm
Weight (with batteries)	0.47 kg
Battery type	4 x AA alkaline
Battery life (estimated)	500 hours with detector
External power supply	100/240 VAC 50 - 60 Hz to 9 VDC 1.66 A

ORDERING INFORMATION

Product page

Specifications are subject to change without notice
T 418.657.8003 | info@gentec-eo.com

genteC-EO

UNO

Single channel, power monitor



KEY FEATURES

- **READS ALL POWER DETECTORS**
Thermopiles and photodetectors of the PH Series
- **LARGE LCD DISPLAY**
 - 76 x 57 mm
 - 32 mm digits
- **UNIQUE ERGONOMIC DESIGN**
Great for both handheld and tabletop use
- **ACCURATE**
24 bit A/D converter for high resolution measurements
- **SINGLE-BUTTON NAVIGATION**
Direct access and long press access to all the functions
- **EXTREMELY LOW CONSUMPTION**
Lasts 670 hours with 4 AA alkaline batteries
- **ECONOMICAL**
Get the best value for your money with this inexpensive and simple to use power monitor

NOW AVAILABLE

W/dBm

You can toggle your display between Watts or dBm units

ACCESSORIES



Optional 9V power supply



Wall support



Pelican carrying case



UNO	
DETECTOR TYPES	Thermopiles, photodetectors (PH series)
DISPLAY	LCD
POWER METER SPECIFICATIONS	
Power range	10 nW to 10 kW
Thermopile	Single wide range scale
Photodetector	Autoscale
Digital resolution	
PH series	1 pW
XLP series	1 μW
UP series	1 mW
Monitor accuracy	±1%
Response time	1s
DETECTOR COMPATIBILITY	
Thermopiles	Average power (W, dBm)
Photodetectors	Average power (W, dBm)
GENERAL SPECIFICATIONS	
Digital display size	76x57mm LCD
Digit height	32mm
Digit type	High contrast fields
Data display	Real-time
Dimensions (without stand)	210W x 122H x 44D mm
Weight (with batteries)	0.47kg
Battery type	4 x AA alkaline
Battery life (estimated)	670 hours with detector
External power supply (optional)	100/240 VAC 50 - 60 Hz to 9 VDC 166 A
ORDERING INFORMATION	
Product page	

M-LINK

Single channel, PC-based universal power and energy monitor



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 M-LINK to your pulsed laser or digital chopper

> DIGITAL (USB) OUTPUT

Connect the M-LINK module directly to your PC

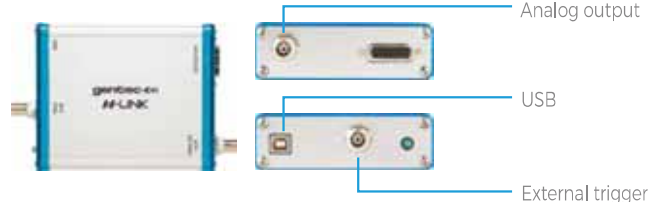
> POWERFUL LABVIEW SOFTWARE

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

M-LINK



ACCESSORIES



USB cable



Pelican carrying case



M-LINK

DETECTOR TYPES

ALL MODELS: thermopiles, pyroelectrics, photodetectors

DISPLAY

PC-based

POWER METER SPECIFICATIONS

Power range	4pW to 30kW
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	30fJ to 30 kJ
Resolution (digital)	Current scale/3000
Monitor accuracy	$1\% \pm 2$ digits (< 1kHz)
Software trigger level	0.1 to 99.9%, 0.1% resolution, default 2%
Repetition rate ^a	1000 Hz
Real-time data transfer	1000 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
Photodetectors	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	1000 Hz with time stamp, no missing point (for pyroelectrics only)
Analog output	0-2 V, full scale, $\pm 2\%$ (volumeters) $\pm 4\%$ (wattmeters)
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

ORDERING INFORMATION

Product page



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

P-LINK

1 and 4 channels, PC-based power monitors

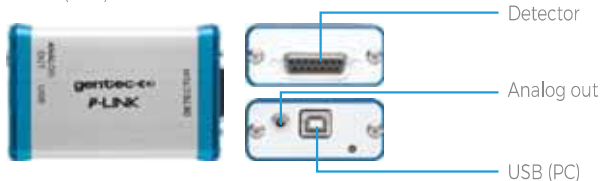


KEY FEATURES

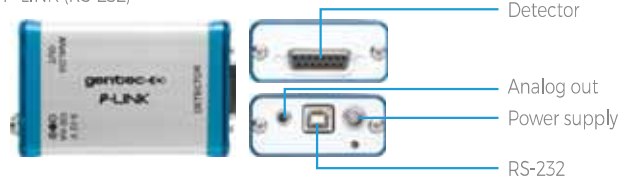
- **READS ALL POWER DETECTORS TYPES**
Thermopiles and photodetectors of the PH Series
- **PC-BASED**
Connects to your PC with included software
- **MULTI-CHANNEL CAPABILITIES**
Available with 1 or 4 channels
- **SERIAL COMMANDS**
Serial commands are available on both versions to let you take full control
- **REAL-TIME STATISTICAL FUNCTIONS**
Max, min, average, standard deviation, RMS and PTP stability. Also high low alarm and post-analysis mode (P-LINK-4 only)
- **USB, RS-232 OR ETHERNET**
Choose your favourite communications port. The USB version is port-powered. Ethernet available only on 4-Channel version

CONNECTIVITY

P-LINK (USB)



P-LINK (RS-232)



P-LINK-4



ACCESSORIES



Additional 9V power supply
(RS-232 version only)



USB & RS-232 cables



Pelican carrying case



	P-LINK (USB)	P-LINK (RS-232)	P-LINK-4
DETECTOR TYPES	Thermopiles, photodetectors	Thermopiles, photodetectors	Thermopiles, photodetectors
CHANNELS/ DISPLAY	1-Channel / PC-based	1-Channel / PC-based	4-Channels / PC-based
POWER METER SPECIFICATIONS			
Power range			
Thermopile	3 μ W to 0.1 kW	3 μ W to 0.1 kW	3 μ W to 30 kW
Photodetector	1 nW to 3 W	1 nW to 3 W	1 pW to 3 W
Monitor accuracy	$\pm 0.5\%$ full scale	$\pm 0.5\%$ full scale	$\pm 0.5\%$ full scale
Statistics	• Current value, max, min, average, std dev., RMS & PTP stability, time	• Current value, max, min, average, std dev., RMS & PTP stability, time	• Current value, max, min, average, std dev., RMS & PTP stability, time
Response time	1 s	1 s	1 s
DETECTOR COMPATIBILITY			
Thermopile	Average power & single shot energy	Average power & single shot energy	Average power
Photodetector	Average power (mW, dBm)	Average power (mW, dBm)	Average power (mW)
GENERAL SPECIFICATIONS			
Number of channels	1	1	4
Digital display	Computer screen	Computer screen	Computer screen
Data display	' Real-time, histogram, statistics, Digital tuning needle	' Real-time, histogram, statistics, Digital tuning needle	' Real-time, graphic, statistics, high/low alarm, Post-analysis mode, multi-channel
Analog output	0 - 2 Volt, adjustable, full scale, $\pm 1\%$	0 - 2 Volt, adjustable, full scale, $\pm 1\%$	N/A
Serial commands and data transfer via	USB	USB	USB (standard) or ethernet (option)
Real-time data transfer rate	10 Hz	10 Hz	10 Hz
Dimensions	57W x 26H x 91D mm	57W x 26H x 91D mm	286W x 233H x 43D mm
Weight	0.12 kg	0.12 kg	2.5 kg
External power supply	100/240 VAC 50 - 60 Hz to 12 VDC 200 mA	100/240 VAC 50 - 60 Hz to 12 VDC 200 mA	100/240 VAC 50 - 60 Hz to 5 VDC, 3 A
ORDERING INFORMATION			
Product page			

a Using PC-Gentec-EO software.
b Using Octolink software.

Specifications are subject to change without notice
T 418.657.8003 I info@gentec-eo.com

gentec-EO

S-LINK

Dual & single channel, PC-based power and energy monitor

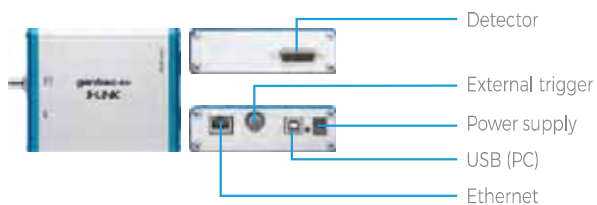


KEY FEATURES

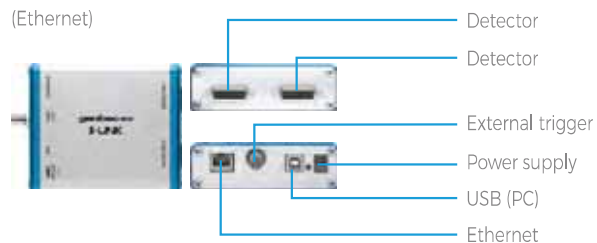
- **READS BOTH POWER AND ENERGY**
Thermopiles and pyroelectrics
- **AVAILABLE WITH 1 OR 2 CHANNELS**
S-LINK-1 and S-LINK-2 models now available
- **PC-BASED**
Connects to your PC with included software
- **SERIAL COMMANDS**
Serial commands are available on all versions to let you take full control
- **FASTEST DATA TRANSFER RATE**
Get all the points transferred directly into your PC at 10 kHz/channel
- **USB OR ETHERNET**
Choose your favourite communications port.
- **EXTERNAL TRIGGER**
Every model comes standard with a 2.4 V to 24 V external trigger

CONNECTIVITY

S-LINK-1
(Ethernet)



S-LINK-2
(Ethernet)



ACCESSORIES



Additional 9V power supply



USB cable



Pelican carrying case

S-LINK

Specifications

CE Nisr
Traceable
r-7
Also traceable to NRC-CNRC



	S-LINK-1	S-LINK-2
DETECTOR TYPES	Thermopiles, pyroelectrics	Thermopiles, pyroelectrics
CHANNELS/ DISPLAY	1-Channel / PC-based	2-Channels / PC-based
POWER METER SPECIFICATIONS		
Power range	1 μ W to 10 kW	1 μ W to 10 kW
Monitor accuracy	$\pm 0.75\%$ for 10% to full scale	$\pm 0.75\%$ for 10% to full scale
Statistics	Current value, max, min, average, std dev., RMS & PTP stability, time	Current value, max, min, average, std dev., RMS & PTP stability, time
Response time	1 s	1 s
ENERGY METER SPECIFICATIONS		
Energy range	8 fJ to 20 kJ	8 fJ to 20 kJ
Resolution (digital)	Normal mode: Current scale/4096	Normal mode: Current scale/4096
Monitor accuracy		
< 500 Hz (MB), < 1200 Hz (MT)	1%	1%
500 to 1200 Hz (MB)	2%	2%
1200 to 6000 Hz (MT)	3%	3%
6000 to 10 000 Hz (MT)	6%	6%
Real time data transfer ^a	10 kHz in normal mode, no missing point	10 kHz/Channel in normal mode, 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	Average power & single shot energy
Pyroelectric	Pulse energy	Pulse energy
GENERAL SPECIFICATIONS		
Number of channels	1	2
Digital display	Computer screen	Computer screen
Data display	Real-time, ratio, line plot, histogram, statistics and 3D histogram	Real-time, ratio, line plot, histogram, statistics and 3D histogram
Serial commands and data transfer via	USB or Ethernet	USB or Ethernet
Real-time data transfer rate	10 kHz/channel in normal mode, no missing point (for pyroelectrics only) ^a	10 kHz/channel in normal mode, no missing point (for pyroelectrics only) ^a
Rising edge external trigger	3-24 V at 10 mA, optically isolated	3-24 V at 10 mA, optically isolated
Dimensions	106W x 34H x 147D mm	106W x 34H x 147D mm
Weight	0.424 kg	0.424 kg
Ext. power supply	100/240 VAC 50 - 60 Hz to 9 VDC 1.66 A	100/240 VAC 50 - 60 Hz to 9 VDC 1.66 A
ORDERING INFORMATION		
Product page		

a. Actual rate may depend on the computer.

Specifications are subject to change without notice
T 418.657.8003 | info@gentec-eo.com

gentec-EO

PRODUCT GUIDE 2022

PHOTO
TECHNICA フォトテクニカ株式会社

〒336-0017 埼玉県さいたま市南区南浦和 2-18-2 <https://www.phototechnica.co.jp>
TEL: 048-871-0067 FAX: 048-871-0068 e-mail: voc@phototechnica.co.jp

PHOTO
TECHNICA

PHOTO
TECHNICA

PHOTO
TECHNICA

PHOTO
TECHNICA

PHOTO
TECHNICA

PHOTO
TECHNICA

U-LINK

Single channel, PC-based universal power and energy monitor



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 ϵ 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

> SYNCHRONIZE MULTIPLE CHANNELS

With the "SYNC. OUT" port, you can plug multiple U-LINK devices together and create a low-cost multi-channel system.

> SERIAL COMMANDS

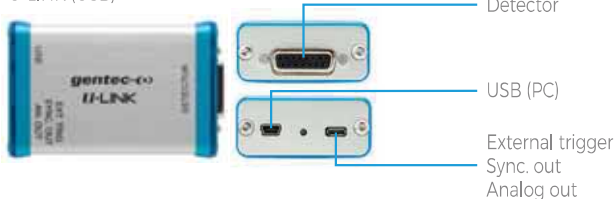
Serial commands are available on both versions to let you take full control

> REAL-TIME STATISTICAL FUNCTIONS

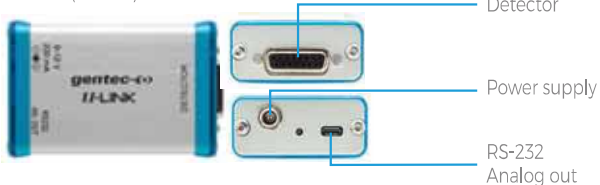
Max, Min, Average, Standard Deviation, RMS and PTP Stability.

CONNECTIVITY

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)



	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	4pWto30kW	4 pWto30 kW
Resolution (digital)	23 bits on current scale	23 bits on current scale
Monitor accuracy	$\pm 0.5\% \pm 3 \mu V$	$\pm 0.5\% \pm 3 \mu V$
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	$1\% \pm 50 \mu V (< 500 \text{ Hz}) / 2\% \pm 50 \mu V (500 \text{ Hz} - 10 \text{ kHz})$	$1\% \pm 50 \mu V (< 500 \text{ Hz}) / 2\% \pm 50 \mu V (500 \text{ Hz} - 10 \text{ kHz})$
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 910 mm	57W x 26H x 910 mm
Weight	0.12kg	0.12kg
ORDERING INFORMATION		
Product page		

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