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

> **EXTERNAL TRIGGER**
> An external trigger is available in option on every compatible INTEGRA energy detector

> **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

CONNECTIVITY

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

USB model name -INT

To detector
To PC

RS-232 model name -IDR

Power supply
To detector
To PC or acquisition system

External trigger model name -INE

External trigger BNC
To detector
To PC

EASY TO MOUNT

Secure it on your Optical Table

WATCH OUT FOR THIS LOGO!

Available with

PC-GENTEC-EO

Universal software for INTEGRA, MAESTRO, P-LINK, U-LINK AND HP

MAIN CONTROLS

Complete and easily navigable software interface with all the necessary options and tools:

Connection: Connect or Disconnect your device.

Controls: Turn the Turbo Mode ON or OFF, make a Zero to remove the thermal offset, start the Acquisition of the data and start the calculations of the Statistics associated with this data.

Startup Config: Save your measurements settings or Load the settings associated with an already existing file.

Help: Get information about the PC-Gentec-EO software and read the user manual.

Measure: Configure the parameters related to your measurements.

Display: Set the desired number of digits and settings associated with the selected display.

Acquisition: Enter the parameters related to the acquisition of data.

MEASUREMENT PARAMETERS
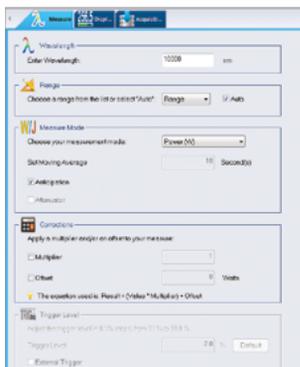
The Measure tab allows you to configure the parameters related to your measurements:

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, energy) and let the software know if you want Anticipation and if there is any Attenuation.

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).
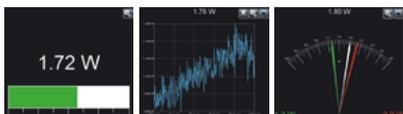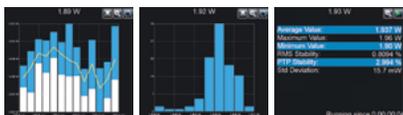
MULTIPLE DISPLAYS

Select the display that suits you best and watch your measurements in real time! With the options toolbar in the bottom of the interface, you can manage the displays at your convenience:

Real-time: Real-time value and corresponding bar graph

Scope: Line filling graph

Needle: Fast analog-like needle

Averaging: Shows trend of laser over time

Histogram: Displays up to 100 bars

Statistics: Min, Max, Average, RMS and PTP Stability, Rep. Rate and Standard Deviation

DATA ACQUISITION
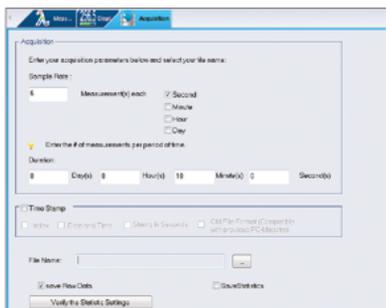
The Acquisition tab allows you to enter the parameters for data acquisition:

Power Mode: Choose a Sampling Rate (number of measurements per interval of time), a Total Duration (in days, hours, minutes and seconds) for the data acquisition, a Time Stamp for each value and the File Name and File Location. You can choose to save only the raw data and/or the statistics associated with your data acquisition.

Energy Mode: Choose a sampling rate (1 pulse out of X pulses), a total duration (total number of pulses) for the acquisition of data, a timestamp for each value, the file name and file location. Decide if you want to save raw data and/or the statistics associated with this data.