





#### **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



RS-232 model name -IDR



External trigger model name -INE



# **EASY TO MOUNT**



Secure it on your Optical Table

## WATCH OUT FOR THIS LOGO!





05/22 / V10 / SGIF / gentec/integra

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# 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.

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 Controls:

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

existing file.

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

Measure: Configure the parameters related to your measurements.

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

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



# **MEASUREMENT PARAMETERS**

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

Enter the Wavelength of your laser and the software will apply the Wavelength:

appropriate correction factor on the measurements.

Set the power or energy Range to a fixed scale or let the software automatically adjust the scale. Range:

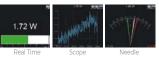
Select the type of Measurement that will be displayed (power, energy) and let Measure Mode:

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

Corrections:

# **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

Line filling graph Scope: Fast analog-like needle 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 (I 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.

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