gentec-e·o
PARTNERS for ACCURACY

INTEGRA

Embedded PC interface for power & energy measurement. Can only be purchased as a detector output option.

PRODUCT FAMILY KEY FEATURES

The INTEGRA is a meterless line of all-in-one detectors that combine a detector and a meter in one convenient product.

The small but powerful meter of the INTEGRA series presents a direct USB or RS-232 connection so you can plug it into your PC or acquisition system.

Simply use the PC-Gentec-EO software supplied with your product and be ready to make power or energy measurements within seconds!

Each detector of the INTEGRA series offers the same incredible performance as the usual detector and meter combination, from pW to kW and from fJ to J. And the good news is that all our most popular products are available with the INTEGRA option.

ALL-IN-ONE DETECTOR + METER

Plug your detectors directly into your PC with the INTEGRA embedded monitor. 3 models available:

- USB output (-INT)
- RS-232 output (-IDR)
- USB with 0-2V external trigger (-INE)

INCREDIBLE PERFORMANCE

INTEGRA detectors offer the same performance as the usual detector + monitor combination.

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 & SERIAL COMMANDS

Control your INTEGRA detector with our user-friendly software or use serial commands to operate it with your own software. This allows the INTEGRA series to also be operated under LINUX or directly from a PLC.

SPECIFICATIONS

CONTROLLER AND GUI SPECIFICATIONS

Digital display size	Computer screen
External trigger	For "INE" models only
Real-time data transfer	Power: 6.7 Hz, Energy: 5.2 kHz via USB, 200 Hz via RS-232
Serial commands via	USB (for "INT" models) or RS-232 (for "IDR" & "INE" models)

POWER METER SPECIFICATIONS

Power range	4 pW - 30 kW
Device accuracy	±2.5 %
Statistics	Current value, max, min, average, standard deviation, RMS & PTP stability, time
Response time	Current value, max, min, average, standard deviation, RMS & PTP stability, time

ENERGY METER SPECIFICATIONS

Energy range	2 fJ to 30 kJ
Device accuracy	3 % (<5.2 kHz)
Real-time data transfer	5.2 kHz via USB, 200 Hz via RS-232
Statistics	Current value, max, min, average, standard deviation, RMS & PTP stability, pulse #, repetition rate and average power

INTEGRA

Specifications are subject to change without notice. Refer to the user manual for complete specifications.

INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at gentec-eo.com/contact-us