

OUTPUT OPTIONS

- > integra ALL-IN-ONE-METER
 Connects directly to a PC
 Two models available:
 - USB output (-INT)
 - RS-232 output (-IDR)

COMPATIBLE PC INTERFACES



INTEGRA

KEY FEATURES

> FASTEST RESPONSE

With its silicon sensor, the integrating sphere is as fast as a photodiode.

> WIDE POWER RANGE

Very low noise level = wide power range with just one device

> HIGH AVERAGE POWER

Measure up to 1000 W of continuous power.

RESISTANT COATING

Our proprietary coating is designed to be strong. Its damage thresholds are orders of magnitude higher than any other "white" coatings on the market.

PRECISE CALIBRATION

The IS detectors have a NIST-traceable calibration for the entire calibrated spectral range.

ACCESSORIES



Stand with delrin post



Fiber adaptors & connectors (for IS12L only)



Pelican carrying case

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	1SI2L-9S-RSI-INT-DO	ISSOA-IKW-RSI-INT-DO
MAXIMUM AVERACE POWER	9 W	1000W
EFFECTIVE APERTURE	12mml/J	50mml/J
COOLINC METHOD	Convection	Water
MEASUREMENT CAPABILITY		
Spectral range	340-1100 nm	340-1100 nm
Calibrated spectral range	400-1070 nm	400-1070 nm
Maximum average power	9 W	1000W
Noise equivalent power•	1µWat 1070 nm	10 μWat 1070 nm
Maximum divergence	10' (half-angle)	10' (half-angle)
Maximum incidence angle	±10°	$\pm 25'$ for beam diameter< $1/2$ 12mm $\pm 5'$ for beam diameter> $1/2$ 12mm
Typical rise time	<0.2s	<0.2s
Sampling rate	15Hz	15 Hz
Calibration uncertainty	±5.0% (400 - 499 nm) ±3.5% (500 - 1069 nm) ±2.5% (1070 nm)	±50% (400 - 499 nm) ±35% (500 - 1069 nm) ±25% (1070 nm)
Back reflections •	6%	12%
Linearity with power	±1%	±1%
DAMACE THRESHOLDS		
Maximum average power density'	2kW/cm'	5kW/cm'
Maximum energy density•	400mJ/cm'	400mJ/cm'
PHYSICAL CHARACTERISTICS		
Effective aperture	12mml/J	50mml/J
Mounting thread	SMI	SIM2
Sphere inner diameter	50mml/J	l00mml/J
Sensor	Silicon	Silicon
Dimensions	66H x 78W x 66D mm	127H x 140W x 115D mm
Weight	0.75 kg	4kg
ORDERINC INFORMATION		
Available output options	USB or RS-232	USB or RS-232
Compatible stand	STAND-S-443	STAND-S-443-C
Product page		
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- Nominal value. Actual value depends on environmental electromagnetic interference and wavelength. With anticipation.

 The backscattered power (also known as back reflections) is concentrated in a cone with an apex located at the back of the sphere. For IS12, the cone has a 7.5-degree half-angle. For IS50, the cone has a 15-degree half-angle.
- c. At 1064 1070 nm, CW.
- d. At 7064 7070 nm, 7 ns.

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

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