

IS50A-1KW-RSI-INT-D0

Water-cooled integrating sphere detector for laser power measurement up to 1000 W.



주요 특징

FASTEST RESPONSE

With their silicon sensors, the IS detectors are as fast as photodiodes.

HIGH AVERAGE POWER

Two sizes are available, both with high average power capabilities:

- 12 mm aperture for up to 9 W of continuous power
- 50 mm aperture for 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 their entire calibrated spectral range. Temperature compensation completes the calibration to give you the most accurate and stable measurements.

CHOICE OF OUTPUT

The IS detectors are available with two output options:

- INTEGRA with USB output (-INT)
- INTEGRA with RS-232 output (-IDR)

AWARD-WINNING TECHNOLOGY

The laser power detectors in the IS series were recognized among the best solutions on the market by an esteemed and experienced panel of judges from the optics and photonics community at the 2022 Laser Focus World Innovators Awards.



The Laser Institute of America awarded Gentec-EO the William M. Steen Award for top idea of the year as adjudicated by a prize giving panel for significant developments in laser material processing.



호환 스탠드

[STAND-S-443-C](#)

사양

계측 성능	
최대 평균 파워(연속)	1000 W
등가노이즈파워(NEP) ¹	10 μ W
스펙트럼 범위	340 - 1100 nm

일반 상승 시간	0.2 s
파워외의 선형성	±1 %
구형 내경	100 mm Ø
최대 입사각	± 25° for beam diameter < 12mm, ± 5° for beam diameter > 12mm
최대 발산	10° (half-angle)
1. 1070nm. 액면 값. 실제 값은 환경의 전자파 간섭 및 파장에 따라 달라집니다.	
손상 한계	
최대 평균 파워 밀도 ¹	5 kW/cm ²
최대 에너지 밀도 ²	400 mJ/cm ²
1. 1064 - 1070nm, CW. May vary with wavelength and average power. 2. 1064 - 1070nm, 7ns. May vary with wavelength and pulse width.	
물리적 특성	
냉각	수냉식
구경 지름	50 mm
치수	127H x 140W x 115D mm
중량	4 kg
주문 정보	
IS50A-1KW-RSi-INT-D0	205483
IS50A-1KW-RSi-INT-D0	205483
IS50A-1KW-RSi-IDR-D0	205484

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

이 제품에 관심이 있으십니까?

견적받기

gentec-eo.com/ko/contact-us에서 현지 영업 담당자를 찾으십시오.