

TRAP7-SI-D-BNC

Optical trap detector for laser power measurement up to 1 mW.



PRODUCT FAMILY KEY FEATURES

HAVE YOUR OWN GOLDEN CALIBRATION STANDARD

The high quantum efficiency (>99%) makes it an excellent calibration transfer standard

INCREDIBLE SPATIAL UNIFORMITY

The spatial uniformity is better than 0.05 %

LOW CALIBRATION UNCERTAINTY

From 440 to 980 nm

FOR DIVERGENT OR COLLIMATED BEAMS

Devices optimized for both types of lasers

MEASURE POWER FROM NW TO MW

When used with the TRAP-PREAMP amplifier that provides a direct digital readout

COMPATIBLE STAND

[STAND-D-233](#)

SPECIFICATIONS

MEASUREMENT CAPABILITIES

| | |
|------------------------------------|-------------------------|
| Maximum average power (continuous) | 1 mW |
| Noise equivalent power | 100 pW |
| Spectral range | 200 - 1100 nm |
| Power calibration uncertainty | < ±1.0 % (440 - 980 nm) |

DAMAGE THRESHOLDS

| | |
|-------------------------------|----------------------|
| Maximum average power density | 1 mW/cm ² |
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PHYSICAL CHARACTERISTICS

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|-------------------|----------------|
| Aperture diameter | 7 mm |
| Absorber | Si |
| Dimensions | 69Ø x 27.7D mm |
| Weight | 0.23 kg |

ORDERING INFORMATION

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| TRAP7-SI-D-BNC | 201740 |
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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