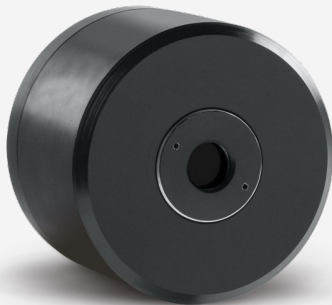




THZ9B-BL-DZ-D0

THz detector for power measurements up to 20 mW.



PRODUCT FAMILY KEY FEATURES

RELATIVE MEASUREMENTS FROM 0.1 TO 30 THZ

Broadband, room temperature operation, easier to use and less expensive than a Golay cell

WIDE DYNAMIC RANGE

With state of the art pyroelectric sensors, measure down to 50 nW with 1 nW resolution.

SEVERAL SENSOR SIZES AVAILABLE

Choice of 5 mm and 9 mm diameter

CALIBRATED

THZ-B detectors are calibrated at a single wavelength (0.63 μ m) and include typical wavelength correction data from 0.25 to 440 μ m. They are used for relative measurements outside that range.

SDC-500 OPTICAL CHOPPER

All THZ-B detectors require the use of an optical chopper, like our SDC-500, to sync the signal at either 5 Hz (DA models) or 25 Hz (DZ models).

USER-FRIENDLY SOFTWARE WITH MANY FEATURES (WHEN USED WITH T-RAD-USB)

- Strip chart, statistics and tuning needle displays
- Controls and power display always visible
- Tuning needle display includes min/max indicators
- Data logging for long term testing

COMPATIBLE STAND

[STAND-D-233](#)



SPECIFICATIONS

MEASUREMENT CAPABILITIES	
Maximum average power	20 mW
Noise equivalent power	50 nW
Spectral range ¹	10 - 3000 μ m
Frequency ²	0.1 - 30 THz
Typical rise time	0.2 s
Chopping frequency	25 Hz
Minimum repetition rate	1000 Hz
1. Projected spectral range. From 10 to 440 μ m, spectrometer measurement. From 440 to 3000 μ m, relative measurement only. This spectral range is subject to change. 2. Projected spectral range. From 10 to 440 μ m, spectrometer measurement. From 440 to 3000 μ m, relative measurement only. This spectral range is subject to change.	
DAMAGE THRESHOLDS	
Maximum average power density	0.01 W/cm ²
PHYSICAL CHARACTERISTICS	
Aperture diameter	9 mm
Absorber	BL
Dimensions	66.0Ø x 46.5D mm
Weight	0.23 kg
ORDERING INFORMATION	
THZ9B-BL-DZ-D0	202295



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