

UM-B

5 nW - 200 mW, For Analog or Digital Module



APM Module



KEY FEATURES

- 1 Use with Analog or Digital Modules**
The head can be connected to an oscilloscope using the analog power module (APM) or to a PC with the digital power module (DPM)
 - DPM: USB Powered Digital Module (Includes Application Software)
 - APM: Battery or AC Powered Analog Module
- 2 Very High Responsivity**
Up to 20 000 V/W when using the analog power module (APM)

AVAILABLE MODELS

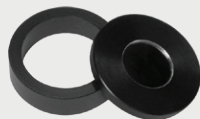


UM9B-BL
(9 mm-Organic Black)

ACCESSORIES



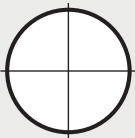
Stand with Delrin Post



Removable IR Windows
(Various types available)



Fiber Adaptors & Connectors
(FC, SC, ST and SMA)



IR Alignment Aide
and Crosshairs



SDC-5000 Digital
Optical Chopper

SEE ALSO

TECHNICAL DRAWINGS	98
COMPATIBLE MODULES	
APM	30
DPM	30



MONITORS
ENERGY DETECTORS
POWER DETECTORS
OPTICAL DETECTORS
THZ DETECTORS
OEM DETECTORS
CALORIMETERS
DIFFRACTIVE OPTICS
BEAM DIAGNOSTICS

UM-B

SPECIFICATIONS



Approved or in the process of being approved *

MODELS	UM9B-BL
MAX AVERAGE POWER	200 mW
EFFECTIVE APERTURE	9 mm Ø
COMPATIBLE MODULE(S)	APM and DPM

MEASUREMENT CAPABILITY	With APM	With DPM
Spectral Range	0.1 - 1000 µm	0.1 - 1000 µm
Max Measurable Power	200 mW	200 mW
Noise Equivalent Power	5 nW	200 nW
Rise Time (0-100%)	≤ 0.2s	≤ 0.2s
Sensitivity	20 000 V/W	N/A
Calibration Uncertainty	±4 %	±4 %
DAMAGE THRESHOLDS		
Maximum Average Power Density (1064 nm)	50 mW/cm ²	50 mW/cm ²
PHYSICAL CHARACTERISTICS		
Effective Aperture Diameter	9 mm Ø	9 mm Ø
Sensor	Pyroelectric	Pyroelectric
Absorber	BL	BL
Dimensions	38.1Ø X 26.2D mm	38.1Ø X 26.2D mm
Weight	91 g	91 g
ORDERING INFORMATION		
Full Product Name	UM9B-BL-BNC	UM9B-BL-USB
Product Number	201522	201527

Specifications are subject to change without notice

* For details, contact your Gentec-EO representative