

UM-I-USB

20 nW - 200 mW, Integrated USB Module



KEY FEATURES

1 Integrated USB Module

Plug the device directly to your PC, no need for an additional PC-Interface

2 Powered by your PC

No external wiring needed

3 Software Application Included

Take full control of your instrument with our unique software:

- Measure radiant flux (W) and irradiance (W/cm^2) with pyroelectric sensors
- Set Range and Trigger Level
- Measure and Display Energy and Full Statistics
- Display Data in Strip Chart or Histogram
- Log Data to a File
- Dual Channel Software Available

4 3 Sizes Available

- UM21-BL-USB: 2 mm \varnothing pyroelectric sensor
- UM51-BL-USB: 5 mm \varnothing pyroelectric sensor
- UM91-BL-USB: 9 mm \varnothing pyroelectric sensor

AVAILABLE MODELS



UM21-BL-USB
(2 mm-Organic Black)



UM51-BL-USB
(5 mm-Organic Black)

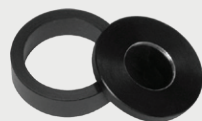


UM91-BL-USB
(9 mm-Organic Black)

ACCESSORIES



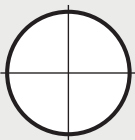
Stand with Delrin Post



Removable IR Windows
(Various types available)



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



IR Alignment Aide
and Crosshairs



SDC-5000 Digital
Optical Chopper



Pelican Carrying Case

SEE ALSO

TECHNICAL DRAWINGS

98

UM-I-USB

SPECIFICATIONS



Approved or in the process of being approved *

MODELS	UM2I-BL-USB	UM5I-BL-USB	UM9I-BL-USB
MAX AVERAGE POWER	200 mW	200 mW	200 mW
EFFECTIVE APERTURE	2 mm Ø	5 mm Ø	9 mm Ø
INTEGRATED MODULE	Digital (USB)	Digital (USB)	Digital (USB)

MEASUREMENT CAPABILITY			
Spectral Range	0.1 - 1000 µm	0.1 - 1000 µm	0.1 - 1000 µm
Maximum Measurable Power	200 mW	200 mW	200 mW
Noise Equivalent Power	20 nW	200 nW	400 nW
Rise Time (0-100%)	≤ 0.2s	≤ 0.2s	≤ 0.2s
Calibration Uncertainty	±4 %	±4 %	±4 %
Decades Range	5	5	5
DAMAGE THRESHOLDS			
Maximum Average Power Density (1064 nm)	50 mW/cm ²	50 mW/cm ²	50 mW/cm ²
PHYSICAL CHARACTERISTICS			
Effective Aperture	2 mm Ø	5 mm Ø	9 mm Ø
Sensor	Pyroelectric	Pyroelectric	Pyroelectric
Absorber	BL	BL	BL
Analog Output	0-2 V	0-2 V	0-2 V
Dimensions	81.3Ø X 94.0D mm	81.3Ø X 94.0D mm	81.3Ø X 94.0D mm
Weight	0.5 kg	0.5 kg	0.5 kg
ORDERING INFORMATION			
Full Product Name	UM2I-BL-USB	UM5I-BL-USB	UM9I-BL-USB
Product Number	201704	201705	201707

Specifications are subject to change without notice

* For details, contact your Gentec-EO representative