# gentec-ۥ)

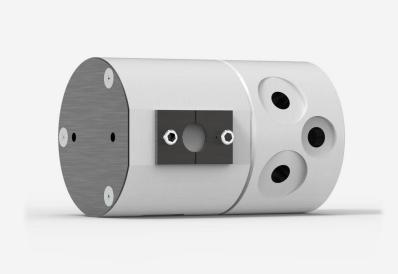
# MACH 6 + M6-6-IN-L

**MEASUREMENT CAPABILITIES** 

Weight

ORDERING INFORMATIONS

Integrating sphere detector for laser energy measurement up to 2  $\mu J$ .



### **KEY FEATURES**

#### UP TO 200 KHZ PULSE-TO-PULSE

Measure every pulse, with no sampling, at high rep rates, up to 200 kHz

#### CAPTURE AND STORE UP TO 4 MILLION PULSES

Store 40 seconds of data at 100 kHz

#### TRACK MISSING PULSES AND PULSES BELOW THRESHOLD

Know how many pulses were missed or that didn't make the energy threshold with this unique pulse feature  $\,$ 

#### SEVERAL HEADS TO CHOOSE FROM

Silicon, InGaAs and pyroelectric heads for a broad wavelength and energy range

#### ANALOG MODULE AVAILABLE

Use our fast M6 detectors with the APM and an oscilloscope for fast analog energy measurements

#### **FULL-SPEED USB 2.0 CONNECTION**

Ensures high data rate transfer and fast operation

### USER-FRIENDLY SOFTWARE WITH MANY DIAGNOSTIC FEATURES

0.15 kg

- Live mode, strip chart, histogram and statistics displays
- FFT display of pulse energy data for temporal diagnostics
- Life test mode to automate laser testing

## **COMPATIBLE STAND**

STAND-D-233

## **SPECIFICATIONS**

Spectral range	0.9 - 1.6 μm
Typical rise time	150 ns
Repeatability	±1 %
Maximum repetition frequency	200000 Hz
Maximum measurable energy <sup>1</sup>	2 μJ
Noise equivalent energy	20 pJ
Maximum pulse width	100 ns
Energy calibration uncertainty	±4 %
1. Maximum pulse energy reading will vary with wavelength and probe voltage responsivity. For more details, please read Application Note 121D-20 eo.com	01932 and contact us at info@gentec-
DAMAGE THRESHOLDS	
Maximum power	5 W
PHYSICAL CHARACTERISTICS	
Aperture diameter	6 mm
Absorber	InGaAs
Dimensions	38.1 Ø x 58.4D mm

MACH 6 + M6-6-In-L 204006

# INTERESTED IN THIS PRODUCT?

GET A QUOTE

Find your local sales representative at gentec-eo.com/contact-us