

## MACH 6

200 kHz module for M6 heads.



### 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

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



## SPECIFICATIONS

### CONTROLLER AND GUI SPECIFICATIONS

Digital display size	Computer screen
Analog output	0-3 V, BNC
External trigger	None

### POWER METER SPECIFICATIONS

### ENERGY METER SPECIFICATIONS

Energy range	pJ to mJ
Digital resolution	Current Scale/2000
Device accuracy	±1 %
Software trigger level	2 to 20 %, 1 % resolution
Repetition rate	200 000 Hz

### PHYSICAL CHARACTERISTICS

Weight	0.424 kg
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### ORDERING INFORMATION

Mach 6	202090
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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](http://gentec-eo.com/contact-us)