DORGEAN
Beijing Dorgean Electronic Technology Co.,Ltd

Instrument Expert
Original factory packaging
www.dorgean.com

gentec-eo
PARTNERS for ACCURACY

M6-12.5-PY

Ultrafast joulemeter for laser energy measurement up to 20 mJ.

PRODUCT FAMILY 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 (LEMO) 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

COMPATIBLE STAND

STAND-D-233

SPECIFICATIONS

MEASUREMENT CAPABILITIES

Spectral range	0.35 - 2.5 µm
Typical rise time	150 ns
Repeatability	±1 %
Maximum repetition frequency	200000 Hz
Maximum measurable energy[1]	20 mJ
Noise equivalent energy	0.5 µJ
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-201932 and contact us at info@gentec-eo.com

DAMAGE THRESHOLDS

Maximum power	25 W

PHYSICAL CHARACTERISTICS

Aperture diameter	12.5 mm
Absorber	Pyroelectric
Dimensions	76H x 111W x 76D
Weight	0.15 kg

ORDERING INFORMATION

M6-12.5-PY	202120

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

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