

# ENERGY DETECTOR

Low energy measurement

Available with  
  
integra

## PE: PHOTODETECTORS



- Available in 3 sizes:
  - 3 mm Ø
  - 5 mm Ø
  - 10 mm Ø
- 3 choices of absorber for different wavelength ranges:
  - Silicon
  - Germanium
  - InGaAs
- Extremely low noise: as low as 8 fJ

■ LOWEST NOISE LEVEL OF ALL ENERGY DETECTORS

Available with  
  
integra

## QE-B: HIGH-SENSITIVITY PYROELECTRIC DETECTORS



Our pyroelectric energy detectors have very low noise levels combined with a large bandwidth. They have everything you need to accurately measure extremely low energy from the DUV to the FIR.

- 8 mm Ø aperture
- 2 choices of absorber:
  - MT: Fast response and high sensitivity
  - BL: Flat spectral response
- Broadband, from the DUV to the FIR
- Very low noise: as low as 50 nJ

■ MEASURE LOW ENERGY AT ANY WAVELENGTH

## MACH 6: MEASURE ALL PULSES UP TO 200 KHZ



- High-speed digital joulemeter:
  - Measures EVERY PULSE at 200 kHz
- Capture and store up to 4 million pulses at the maximum repetition rate
- Track missing pulses and pulses below threshold
- Wide energy range: measure from pJ to mJ

■ 200 kHz ENERGY METER

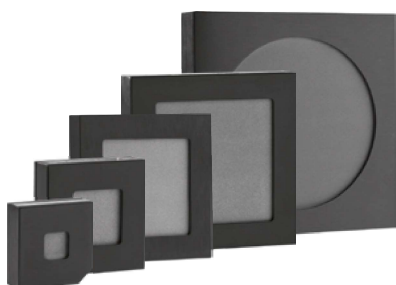
# ENERGY DETECTORS

General use energy detectors

New product

Available with  
  
integra

## QE-MB



Pyroelectric energy meters cover a very wide range, going from nanojoules to several tens of joules per pulse. Our standard absorber offers high damage thresholds and a spectrally flat response, making this series of energy detectors a versatile solution that can cover most of your energy measurement needs.

- Broadband absorber with high damage thresholds
- Available in 5 sizes:
  - 12 x 12 mm      25 x 25 mm
  - 50 x 50 mm      65 x 65 mm
  - 95 mm Ø
- Available with 2 cooling modules:
  - Convection (S)
  - Heatsink (H)

■ THE WIDEST RANGE OF LASER ENERGY MEASUREMENT

New product

Available with  
  
integra

## QE-MT: HIGH REPETITION RATES



Designed for pulsed lasers with high repetition rates, these energy detectors feature an improved temporal response to accurately measure pulse-to-pulse energy at high repetition rates up to 10 kHz.

- Fast response, broadband absorber
- Available in 3 sizes:
  - 12 x 12 mm
  - 25 x 25 mm
  - 50 x 50 mm
- Available with 2 cooling modules:
  - Convection (S)
  - Heatsink (H)

■ UP TO 10 KHZ REPETITION RATE