

PRESENTATION

OVERVIEW OF THE DIFFERENT MODELS

Our pyroelectric energy meters cover a very wide range, going from nanojoules to several tens of joules per pulse. We also have them either in standalone formats, where the electronics are integrated in the device, or as standard sensors that you hook up to an energy meter.



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QE-I-USB / QE-I-BNC

- Pyroelectric Detectors with Integrated Digital (USB) or Analog (BNC) Modules (no need for a monitor)
- Energy Range from nJ to mJ
- USB: Powered by your PC
LabView Software included
- BNC: Battery or AC Powered (for use with an oscilloscope)
Pulse-to-Pulse Response up to 40 kHz

INTEGRATED USB OR BNC MODULES



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QE-B

- Small Compact Detectors
- 8 and 23 mm \emptyset Apertures
- Organic Black or Metallic Coatings with Spectral Ranges from DUV to Far-IR
- To be used with the DPM or APM Digital or Analog Modules:
DPM is digital, powered by USB and includes powerful LabView Software
APM is Analog and includes battery and AC power

FOR USE WITH DPM OR APM



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XLE4

- Low Energy Pyroelectric
Sensitivity of 1100 V/J
Noise Level of 150 nJ
- Compact Design (only 36 mm deep)
- Metallic Absorber Allows for Pulse-to-Pulse Response up to 2000 Hz

LOW ENERGY PYROELECTRIC



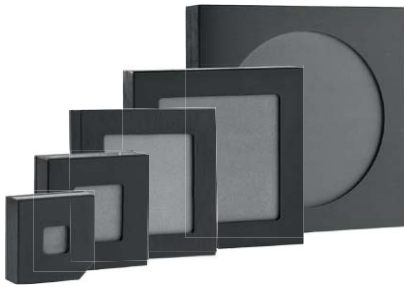
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QE4

- Our Smallest Mounted Pyroelectric Energy Detector
- BNC Mounted, Perfect for Integration
- Available with Metallic Coating for Pulse-to-Pulse Response up to 6000 Hz

SMALL, BNC MOUNTED PYROELECTRIC

PRESENTATION



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QE-MB

- Standard (Broadband) Coating
- Available in 5 sizes:

12 x 12 mm	65 x 65 mm
25 x 25 mm	95 mm Ø
50 x 50 mm	
- Low Noise Levels and Possibility to Extend the Response for Long (ms) Pulses

STANDARD COATING, LONG PULSE CAPABILITY



See pages 46 to 50

QE-MT

- Metallic (High Repetition Rate) Coating
- Available in 3 sizes:

12 x 12 mm
25 x 25 mm
50 x 50 mm
- Pulse-to-Pulse Response up to 6000 Hz

METALLIC COATING, HIGH REP RATES



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MACH 5

- High Speed Digital Joulemeter: Measures EVERY PULSE at 130 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
- Spectral Range from 0.35 to 2.5 μm
- Sensors include Si, InGaAs and Pyroelectric
- Easy USB 2.0 Connection
- Includes Powerful LabView Software with Diagnostic Features

**THE FASTEST ENERGY METER
ON THE MARKET:**

MEASURES EVERY PULSE AT 130 KHZ