

# New Pyroelectric Detector X-Large Aperture of 65 x 65 mm



## The QE family is growing!

Measure those extra large beams with the new QE65 Series, presenting an effective aperture of 65 x 65 mm, a maximum measurable energy of 125 J per pulse <sup>a</sup> and a maximum average power of 90 W <sup>a</sup>.

## Sales Arguments

- Largest Effective Area (~2.5X larger than closest competing products)
- Highest Measurable Energy on the market (125 J with QED-65)
- Lowest Noise Level (5  $\mu$ J)
- Wide Wavelength Range
- Very Competitive Pricing

**Check the comparison table on the next page for more details!**

## Ordering Information









Full Product Name	<b>QE65LP-S-MB</b>	<b>QE65LP-H-MB</b>
Product Number <sup>b</sup>	201255	201256

<sup>(a)</sup> With QED-65 attenuator.

<sup>(b)</sup> Including stand.

# New Pyroelectric Detector X-Large Aperture of 65 x 65 mm

## Comparison Table

Company				
Model	 QE65LP-H-MB	 PE50-DIF-ER	 ES245C	 J-50MB-HE
Effective Aperture	65 x 65 mm	46 mm Ø	45 mm Ø	50 mm Ø
Effective Area	42.3 cm <sup>2</sup>	16.6 cm <sup>2</sup>	15.9 cm <sup>2</sup>	19.6 cm <sup>2</sup>
Wavelength Range	0.19 - 20 μm	0.19 - 3 μm	0.19 - 25 μm	0.19 - 12 μm
Max. Measurable Energy (with Atten.)	25 (125) J	10 (30) J	15 J	2 J
Noise Equivalent Energy	5 μJ	5 μJ	50 μJ	33 μJ
Maximum Repetition Rate	100 Hz	400 Hz	30 Hz	300 Hz
<b>Damage Thresholds</b>				
Max. Average Power (with Atten.)	40 (90) W	20 (40) W	10 W	10 W
Max. En. Density (with Atten.) <sup>c</sup>	0.6 (8.0) J/cm <sup>2</sup>	0.1 (1.5) J/cm <sup>2</sup>	0.45 J/cm <sup>2</sup>	N/A
Max. Power Density (with Atten.) <sup>c</sup>	10 (600) W/cm <sup>2</sup>	10 (500) W/cm <sup>2</sup>	~1 W/cm <sup>2</sup>	N/A

<sup>(c)</sup> For 1064 nm and ns pulses.

## Authorized Distributor In Japan

製品のお問合せは・・・



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