COMPARISON TABLE

Available with INTEGRA all-in-one detector + meter

MODEL	EMAX*	NOISE LEVEL	PMAX	λMIN	λMAX	MAX REP RATE	ABSORBER TYPE	APERTURE	SEE PAGE
QE8SP-B-MT	1.3 mJ	50 nJ	500 mW	190 nm	20 µm	1000 Hz	Metallic	7.8 x 7.8 mm	42
QE8SP-B-BL	3.6 mJ	100 nJ	500 mW	190 nm	20 µm	400 Hz	Black	7.8 x 7.8 mm	42
QE12SP-S-MT	700 mJ	800 nJ	3 W	190 nm	20 µm	6000 Hz	Metallic	12 x 12 mm	44
QE12SP-H-MT	700 mJ	800 nJ	5 W	190 nm	20 µm	6000 Hz	Metallic	12 x 12 mm	44
QE12LP-S-MB	850 mJ	700 nJ	3 W	190 nm	20 µm	300 Hz	Broadband	12 x 12 mm	44
QE12LP-H-MB	850 mJ	700 nJ	5 W	190 nm	20 µm	300 Hz	Broadband	12 x 12 mm	44
QE12SP-S-MT + QED-12	1.6 J	25 µJ	7.5 W	308 nm	2.1 µm	6000 Hz	Metallic	9 x 9 mm	44
QE12SP-H-MT + QED-12	1.6 J	25 µJ	12.5 W	308 nm	2.1 µm	6000 Hz	Metallic	9 x 9 mm	44
QE25SP-S-MT	3 J	2 µJ	5 W	190 nm	20 µm	6000 Hz	Metallic	25 x 25 mm	46
QE25SP-H-MT	3 J	2 µJ	10 W	190 nm	20 µm	6000 Hz	Metallic	25 x 25 mm	46
QE25LP-S-MB	3.8 J	4 µJ	5 W	190 nm	20 µm	300 Hz	Broadband	25 x 25 mm	46
QE25LP-H-MB	3.8 J	4 µJ	10 W	190 nm	20 µm	300 Hz	Broadband	25 x 25 mm	46
QE12LP-S-MB + QED-12	3.9 J	3 µJ	7.5 W	308 nm	2.1 µm	300 Hz	Broadband	9 x 9 mm	44
QE12LP-H-MB + QED-12	3.9 J	3 µJ	12.5 W	308 nm	2.1 µm	300 Hz	Broadband	9 x 9 mm	44
QE25SP-S-MT + QED-25	10 J	6 µJ	15 W	308 nm	2.1 µm	6000 Hz	Metallic	22 x 22 mm	46
QE25SP-H-MT + QED-25	10 J	6 µJ	30 W	308 nm	2.1 µm	6000 Hz	Metallic	22 x 22 mm	46
QE50SP-S-MT	13 J	10 µJ	10 W	190 nm	20 µm	4000 Hz	Metallic	50 x 50 mm	48
QE50SP-H-MT	13 J	10 µJ	20 W	190 nm	20 µm	4000 Hz	Metallic	50 x 50 mm	48
QE50LP-S-MB	15 J	10 µJ	10 W	190 nm	20 µm	200 Hz	Broadband	50 x 50 mm	48
QE50LP-H-MB	15 J	10 µJ	20 W	190 nm	20 µm	200 Hz	Broadband	50 x 50 mm	48
QE25LP-S-MB + QED-25	23 J	15 µJ	15 W	308 nm	2.1 µm	300 Hz	Broadband	22 x 22 mm	46
QE25LP-H-MB + QED-25	23 J	15 µJ	30 W	308 nm	2.1 µm	300 Hz	Broadband	22 x 22 mm	46
QE65LP-S-MB	25 J	10 µJ	12 W	190 nm	20 µm	100 Hz	Broadband	65 x 65 mm	50
QE65LP-H-MB	25 J	10 µJ	40 W	190 nm	20 µm	100 Hz	Broadband	65 x 65 mm	50
QE65ELP-S-MB	25 J	20 µJ	12 W	190 nm	20 µm	20 Hz	Broadband	65 x 65 mm	50
QE65ELP-H-MB	25 J	20 µJ	40 W	190 nm	20 µm	20 Hz	Broadband	65 x 65 mm	50
QE95LP-S-MB	35 J	15 µJ	20 W	190 nm	20 µm	40 Hz	Broadband	95 mm Ø	52
QE95LP-H-MB	35 J	15 µJ	40 W	190 nm	20 µm	40 Hz	Broadband	95 mm Ø	52
QE95ELP-S-MB	35 J	30 µJ	20 W	190 nm	20 µm	10 Hz	Broadband	95 mm Ø	52
QE95ELP-H-MB	35 J	30 µJ	40 W	190 nm	20 µm	10 Hz	Broadband	95 mm Ø	52
QE50SP-S-MT + QED-50	44 J	30 µJ	25 W	308 nm	2.1 µm	4000 Hz	Metallic	47 x 47 mm	48
QE50SP-H-MT + QED-50	44 J	30 µJ	45 W	308 nm	2.1 µm	4000 Hz	Metallic	47 x 47 mm	48
QE50LP-S-MB + QED-50	85 J	30 µJ	25 W	308 nm	2.1 µm	200 Hz	Broadband	47 x 47 mm	48
QE50LP-H-MB + QED-50	85 J	30 µJ	45 W	308 nm	2.1 µm	200 Hz	Broadband	47 x 47 mm	48
QE65LP-S-MB + QED-65	125 J	30 µJ	30 W	308 nm	2.1 µm	100 Hz	Broadband	62 x 62 mm	50
QE65LP-H-MB + QED-65	125 J	30 µJ	90 W	308 nm	2.1 µm	100 Hz	Broadband	62 x 62 mm	50
QE95LP-S-MB + QED-95	150 J	45 µJ	45 W	308 nm	2.1 µm	40 Hz	Broadband	90 mm Ø	52
QE95LP-H-MB + QED-95	150 J	45 µJ	90 W	308 nm	2.1 µm	40 Hz	Broadband	90 mm Ø	52

** at 1064 nm, 7 ns, 10 Hz*

COMPARISON TABLE

ENERGY RANGES

You can use the graph below to compare the energy ranges of our pyroelectric energy detectors. Ranges go from the noise level to the maximum energy reading (including attenuator when available).

Table 1.
Comparison of the energy ranges of the pyroelectric energy detectors