

Measurement Products for Use with Coherent Lasers

Matrix of Recommendations*

CO ₂ (DIAMOND) Lasers	Laser	Wavelength (μm)	Power Meter	Power Sensor		
	C-30	10.6	FieldMaxII-TO	PM30		
	C-40, C-55, C-70	10.6	FieldMaxII-TO	PM150		
	G-100, G-150	10.2 to 10.7	FieldMaxII-TO	PM150		
	G-100i	9.4 ±0.3	FieldMaxII-TO	PM150		
	K-250, K-225i, K-300	10.4 to 10.8	FieldMaxII-TO	PM300F-19		
	E-400, K-500	10.2 to 10.8	FieldMaxII-TO	PM1K		
	GEM Select 50, 100	10.6 nominal	FieldMaxII-TO	PM150		
	EOM-10	10.6	FieldMaxII-TO	PM10		
	MID-IR-2	4.6	FieldMaxII-TO	PM10		
	SIFIR	40 to 1020	FieldMaxII-TO	PS10		
Diode Lasers	Laser	Wavelength (nm)	Power Meter	Power Sensor		
	CUBE	375 to 785	FieldMaxII-TO	PS10		
	Radius	375 to 635	FieldMaxII-TO	PS10		
	All Laser Diode Modules		FieldMaxII-TO	PS10		
	FAP	780 to 840	LabMax-TOP	LM-150FS + SMA adapter		
	Duo FAP	785 to 820	LabMax-TOP	LM-150FS + SMA adapter		
	Quattro FAP	790 to 980	LabMax-TOP	LM-150FS + SMA adapter		
	HighLight 4000L	805 to 940	FieldMaxII-TO	PM5K-100		
	HighLight 1000F	975	FieldMaxII-TO	PM1K		
Diode-Pumped Solid-State Lasers (CW)	Laser	Wavelength (nm)	Power Meter	Power Sensor		
	Azure	266	FieldMaxII-TO	PM10X or PS10 ¹		
	Compass 1064	1064	FieldMaxII-TO	PM10		
	Compass 115M, 215M, 315M	532	FieldMaxII-TO	PS10		
	Compass 561	561	FieldMaxII-TO	PS10		
	Genesis	355, 532	FieldMaxII-TO	PS10		
	MBD 266	266	FieldMaxII-TO	PM10X or PS10 ¹		
	Paladin 355	355	FieldMaxII-TO	PM10X		
	Sapphire 460, 488	460, 488	FieldMaxII-TO	PS10		
	Sapphire 488 HP	488	FieldMaxII-TO	PM10 or PS10 ¹		
	Sapphire 561	561	FieldMaxII-TO	PS10		
	Verdi V2, V5, V6, V8	532	FieldMaxII-TO	PM10		
	Verdi V10, V12, V18	532	FieldMaxII-TO	PM30		
	Verdi IR	1064	FieldMaxII-TO	PM30		
Diode-Pumped Solid-State Lasers (Pulsed)	Laser	Wavelength (nm)	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	AVIA (<10W)	266, 355	FieldMaxII-TO	PM10X	-	-
	AVIA (10W to 30W)	355, 532	FieldMaxII-TO	PM30X	-	-
	AVIA (>30W)	532	FieldMaxII-TO	PM150	-	-
	Indigo-DUV	193	FieldMaxII-TO	PS10	3sigma	J-10MT-10KHZ
	Indigo-S	193 to 900	FieldMaxII-TO	PS10	3sigma	J-10MT-10KHZ
	MATRIX 1064	1064	FieldMaxII-TO	PM10	-	-
	MATRIX 355	355	FieldMaxII-TO	PM10X	-	-
	PRISMA (<10W)	532, 1064	FieldMaxII-TO	PM10	-	-
	PRISMA (>10W)	532, 1064	FieldMaxII-TO	PM30	-	-
	Talisker	355, 532, 1064	FieldMaxII-TO	PM30	-	-
	Vector	532, 1064	FieldMaxII-TO	PM10	-	-

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Ion Lasers	Lasers	Wavelength (nm)	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	Innova (<1W)	200 to 1100	FieldMaxII-TO	PS10		
	Innova (>1W)	200 to 1100	FieldMaxII-TO	PM10		
Q-Switched Lasers	Lasers	Wavelength (nm)	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	Evolution (<30W)	527	FieldMaxII-TOP	PM30	LabMax-TOP	J-25MT-10KHZ plus medium heat sink
	Evolution (>30W)	527	FieldMaxII-TOP	PM150		
Ultrafast Amplifiers	Lasers	Wavelength	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	OPerA Solo	240 nm to 20 μm	FieldMaxII-TOP	PS10/PM10	LabMax-TOP	J-10MT-10KHZ (<1 mJ pump) J-10MB-HE (>1 mJ pump)
	TOPAS	240 nm to 20 μm	FieldMaxII-TOP	PS10/PM10	LabMax-TOP	J-10MT-10KHZ (<1 mJ pump) J-10MB-HE (>1 mJ pump)
	OPA 9400, 9800, DFG	480 nm to 10,000 nm	FieldMaxII-TOP	PS10/PM10	-	-
	Legend (<10W)	775 nm to 845 nm	FieldMaxII-TOP	PS10/PM10	LabMax-TOP	J-25MT-10KHZ
	Legend (>10W)	800 nm	FieldMaxII-TOP	PM30	LabMax-TOP	J-25MT-10KHZ plus medium heat sink
	Libra	800 nm	FieldMaxII-TOP	PM10	LabMax-TOP	J-25MT-10KHZ
	RegA	770 nm to 850 nm	FieldMaxII-TOP	PS10	-	-
	Hidra	800 nm	FieldMaxII-TOP	PM10V1	FieldMaxII-TOP	J-50MT-10KHZ
Ultrafast Oscillators	Lasers	Wavelength (nm)	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	Mantis	800	FieldMaxII-TOP/LabMax-TOP	PM10 or PS10 ²		
	Micra	750 to 860	FieldMaxII-TOP/LabMax-TOP	PM10 or PS10 ²		
	Mira	700 to 980	FieldMaxII-TOP/LabMax-TOP	PM10		
	Vitesse	800	FieldMaxII-TOP/LabMax-TOP	PM10 or PS10 ²		
	Chameleon	680 to 1080	FieldMaxII-TOP/LabMax-TOP	PM10		
	Mira OPO	500 to 1600	FieldMaxII-TO	PS10		
Excimer Lasers	Lasers	Wavelength (nm)	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	BraggStar	193, 248	FieldMaxII-TO	PM10X	LabMax-TOP	J-25MT-10KHZ
	COMPexPro F2	157	FieldMaxII-TO	PM10X	FieldMaxII-TOP	J-25MUV-193
	COMPexPro 50, 102, 110, 201, 205	193	FieldMaxII-TO	PM150-50XC	FieldMaxII-TOP	J-50MUV-193
	COMPexPro 50, 102, 110, 201, 205	248	FieldMaxII-TO	PM150X	FieldMaxII-TOP	J-50MUV-248 plus large heat sink
	COMPexPro 102, 110, 201, 205	308, 351	FieldMaxII-TO	PM150X	FieldMaxII-TOP	J-50MB-YAG
	ExciStar XS 200	157, 193	FieldMaxII-TO	PM10X	FieldMaxII-TOP	J-25MUV-193
	ExciStar XS 200	248, 351	FieldMaxII-TO	PM10X	FieldMaxII-TOP	J-25MUV-248
	ExciStar XS 500	157, 193, 248, 351	FieldMaxII-TO	PM10X	LabMax-TOP	J-25MT-10KHZ
	IndyStar	193, 248	FieldMaxII-TO	PM30X	LabMax-TOP	J-25MT-10KHZ plus small heat sink
	LPFpro 205, 220	157	FieldMaxII-TO	PM150-50XC	FieldMaxII-TOP	J-50MUV-193
	LPXpro 210, 220, 305	193, 248, 308, 351	FieldMaxII-TO	PM150X, PM150-50XC	-	-
	Xantos XS	157, 193, 248, 351	FieldMaxII-TO	PM10X	LabMax-TOP	J-25MT-10KHZ
	LAMBDA SX-Series	248, 308	FieldMaxII-TO	PM300F-50X PM1KK1	-	-

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