

Measurement Products for Use with Coherent Lasers

Matrix of Recommendations*

	CO₂ (DIAMOND) Lasers	Laser	Wavelength (μm)	Power Meter	Power Sensor
POWER & ENERGY Power & Energy Meters PowerMax-Pro Sensors		C-20, C-30	10.6	FieldMaxII-TO	PM30
		C-40, C-55 C-70, J-2	10.6, 9.4	FieldMaxII-TO	PM150
		J-3-5 CO Laser	5	FieldMaxII-TO	PM300, PM300F
		E-150, GEM-100, G-100, G-150, G-100i	10.6, 9.4	FieldMaxII-TO	PM150
		E-250, E250i, J-3	10.6, 9.4	FieldMaxII-TO	PM300F-19
		E-400, E-400i, E-1000, J-5, K-500	10.6	FieldMaxII-TO	PM1K
		K-250, K-225i, K-300 (discontinued 2014)	10.6, 9.4	FieldMaxII-TO	PM300F-19
		GEM Select 50, 100 (discontinued 2010)	9.2 to 10.8	FieldMaxII-TO	PM150
		EOM-10 (discontinued 2010)	10.6	FieldMaxII-TO	PM10
		MID-IR-2 (discontinued 2010)	4.6 to 5.4	FieldMaxII-TO	PM10
	SIFIR (discontinued 2010)	40 to 1020	FieldMaxII-TO	PS10	
USB/RS Power Sensors DB-25 Power Sensors USB/RS Energy Sensors DB-25 Energy Sensors	Industrial Fiber & Diode Lasers	Laser	Wavelength (nm)	Power Meter	Power Sensor
		HighLight FL Series	-	FieldMaxII-TO	PM5K
		HighLight FL 1000P	1064	FieldMaxII-TO	PM5K
		HighLight D-Series	975	FieldMaxII-TO	PM5K
		DF Series	-	FieldMaxII-TO	PM5K
		CORELASE	-	FieldMaxII-TO	PM5K
		QFS w FLBK SC	1055 to 1070	FieldMaxII-TO	PM150-50
		SLS	1064	FieldMaxII-TO	PM150-50, PM5K
		NA	1064	FieldMaxII-TO	PM150-50
		KLS	1064	FieldMaxII-TO	PM150-50
		FLS CL	1064	FieldMaxII-TO	PM5K
		FLS A	1064	FieldMaxII-TO	PM5K
		QFS 50	1055 to 1070	FieldMaxII-TO	PM150-50
Custom & OEM BEAM DIAGNOSTICS CALIBRATION & SERVICE Laser Cross-Reference Index	CW Solid-State Lasers	Laser	Wavelength (nm)	Power Meter	Power Sensor
		Genesis Lasers	355 to 577	FieldMaxII-TO	PM10
		Sapphire Lasers	458 to 594	FieldMaxII-TO	PS10
		OBIS Lasers	355 to 785	FieldMaxII-TO	PS10
		Verdi Lasers	532	FieldMaxII-TO	PM10, PM30
		Diode Lasers			
		CUBE	375 to 785	FieldMaxII-TO	PS10
		OBIS	355 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 adaptor
		Duo FAP	785 to 820	LabMax-TOP	LM-150FS + SMA adaptor
		Quattro FAP	790 to 980	LabMax-TOP	LM-150FS + SMA adaptor
		HighLight FAP	800 to 820	LabMax-TOP	LM-150FS + SMA adaptor
		HighLight 1000FL	1100	FieldMaxII-TO	PM1K
		HighLight 4000L (discontinued 2013)	808	FieldMaxII-TO	PM5K-100
		HighLight D-Series	975	Call Factory	Call Factory
Model Name Index	Diode-Pumped Solid-State (CW)	Laser	Wavelength (nm)	Power Meter	Power Sensor
		Azure	266	FieldMaxII-TO	PM10X or PS10*
		Compass 1064 (discontinued 2010)	1064	FieldMaxII-TO	PM10
		Compass 115M, 215M, 315M	532	FieldMaxII-TO	PS10
		Compass 561 (discontinued 2014)	561	FieldMaxII-TO	PS10
		MBD 200	455 to 1070	FieldMaxII-TO	PS10
		MBD 266	266	FieldMaxII-TO	PM10X or PS10*
		Mephisto, Mephisto S	1064, 1319	FieldMaxII-TO	PM10
		Mephisto MOPA (<30 W)	1064	FieldMaxII-TO	PM30
		Mephisto MOPA (>30 W)	1064	FieldMaxII-TO	PM150

* The PS10 is recommended when making higher resolution or low power measurements.

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Diode-Pumped Solid-State (CW)	Lasers	Wavelength (nm)	Power Meter	Power Sensor
	Paladin 355 (<10 W)	355	FieldMaxII-TO	PM10X
	Paladin 355 (>10 W)	1355	FieldMaxII-TO	PM30X
	Paladin 532	532	FieldMaxII-TO	PM30
	Prometheus, Iodine Frequency Stabilization	532, 1064	FieldMaxII-TO	PM10 or PS10*
	Sapphire 458 to 594	458 to 594	FieldMaxII-TO	PS10
	Sapphire 488 HP	488	FieldMaxII-TO	PM10 or PS10*
	Verdi V-Series, G-Series (<10 W)	532	FieldMaxII-TO	PM10
	Verdi V-Series, G-Series (>10 W)	532	FieldMaxII-TO	PM30
	Verdi IR	1064	FieldMaxII-TO	PM30

Diode-Pumped Solid-State (pulsed)	Lasers	Wavelength (nm)	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	AVIA (<10 W)	266, 355	FieldMaxII-TO	PM10X		
	AVIA (10 to 30 W)	355, 532	FieldMaxII-TO	PM30X		
	AVIA NX (>30 W)	355, 532	FieldMaxII-TO	PM150		
	Daytona (discontinued 2014)	355	FieldMaxII-TO	PM30X		
	Flare	355, 532, 1064			LabMax-TOP	J-10MB-HE
	Helios	532, 1064	FieldMaxII-TO	PM10		
	HYPER RAPID 25	355, 532, 1064	FieldMaxII-TO	PM30		
	HYPER RAPID 50	355, 532, 1064	FieldMaxII-TO	PM150		
	Indigo-DUV (discontinued 2010)	193	FieldMaxII-TO	PS10	LabMax-TOP	J-10MT-10KHZ
	Indigo-S (discontinued 2010)	193 to 900	FieldMaxII-TO	PS10	LabMax-TOP	J-10MT-10KHZ
	Mamba Green, IR	532, 1064	FieldMaxII-TO	PM1K		
	MATRIX 532, 1064	532, 1064	FieldMaxII-TO	PM30		
	MATRIX 355	355	FieldMaxII-TO	PM10X		
	Mephisto Q	1064	FieldMaxII-TO	PM10 or PS10*	LabMax-TOP	J-10MT-10KHZ
	PRISMA (<10 W) (discontinued 2011)	532, 1064	FieldMaxII-TO	PM10		
	PRISMA (>10 W) (discontinued 2011)	532, 1064	FieldMaxII-TO	PM30		
	RAPID, RAPID 10	355, 532, 1064	FieldMaxII-TO	PM10		
	Staccato	1030	FieldMaxII-TO	PM10		
	SUPER RAPID-HE	355, 532, 1064	FieldMaxII-TO	PM10		
	Talisker	355, 532, 1064	FieldMaxII-TO	PM30		
	Vector (discontinued 2010)	532, 1064	FieldMaxII-TO	PM10		

Optically Pumped Semiconductor	Lasers	Wavelength (nm)	Power Meter	Power Sensor
	Genesis 355	355	FieldMaxII-TO	PS10
	Genesis	460 to 639	FieldMaxII-TO	PM10

Ion	Lasers	Wavelength (nm)	Power Meter	Power Sensor
	Innova (<1 W)	200 to 1100	FieldMaxII-TO	PS10
	Innova (>1 W)	200 to 1100	FieldMaxII-TO	PM10
	Innova 300C	229 to 529	FieldMaxII-TO	PM10 or PS10*
	Innova 70C	400 to 800	FieldMaxII-TO	PM10 or PS10*
	Innova 90C	330 to 1090	FieldMaxII-TO	PM10 or PS10*

Pulsed/Dye	Lasers	Wavelength (nm)	Power Meter	Power Sensor
	ScanMatePro (discontinued 2007)	320 to 860	FieldMaxII-TO	PM10

Tunable	Lasers	Wavelength (nm)	Power Meter	Power Sensor
	MBR Ring	700 to 1030	FieldMaxII-TO	PM10
	MBR Ring Series	700 to 1030	FieldMaxII-TO	PM30
	MBD-200	455 to 1080	FieldMaxII-TO	PM10 or PS10*

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POWER & ENERGY
Power & Energy Meters
PowerMax-Pro Sensors
USB/RS Power Sensors
DB-25 Power Sensors
USB/RS Energy Sensors
DB-25 Energy Sensors
Custom & OEM
BEAM DIAGNOSTICS
CALIBRATION & SERVICE
Laser Cross-Reference Index
Model Name Index

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POWER & ENERGY	Ultrafast Lasers for Science	Laser	Wavelength	Power Meter	Power Sensor	Energy Meter	Energy Sensor
		Power & Energy Meters	Fidelity-2	1070 nm	FieldMaxII-TO	PM10	
		Mira OPO	500 to 1600 nm	FieldMaxII-TO	PS10		
		OPerA Solo	240 nm to 20 μm	FieldMaxII-TO	PS10	LabMax-TOP	J-10MT-10KHZ
		TOPAS	240 nm to 20 μm	FieldMaxII-TO	PS10	LabMax-TOP	J-10MT-10KHZ
		OPA 9400, 9800	480 to 2400 nm	FieldMaxII-TO	PS10		

PowerMax-Pro Sensors	Excimer Lasers & UV Beam Delivery	Laser	Wavelength (nm)	Power Meter	Power Sensor	Energy Meter	Energy Sensor
		USB/RS Power Sensors	BraggStar S (discontinued 2013)	193, 248	FieldMaxII-TO	PM10X	LabMax-TOP
		BraggStar M	248	FieldMaxII-TO	PM30X	LabMax-TOP	J-50MUV-248
		COMPexPro F2 (discontinued 2008)	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 + lg 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
		ExciStar S	157, 193	FieldMaxII-TO	PM10X	LabMax-TOP	J-25MT-10KHZ
		ExciStar S	248	FieldMaxII-TO	PM30X	LabMax-TOP	J-25MT-10KHZ + sm heat sink
		ExciStar S	308	FieldMaxII-TO	PM10X	LabMax-TOP	J-25MT-10KHZ
		IndyStar	193, 248	FieldMaxII-TO	PM30X	LabMax-TOP	J-25MT-10KHZ + sm heat sink
		LEAP	248, 308	FieldMaxII-TO	PM150X		
		LPFPro 205, 220	157	FieldMaxII-TO	PM150-50XC	FieldMaxII-TOP	J-50MUV-193
		LPXPro 210, 220, 305	193, 248, 308, 351	FieldMaxII-TO	PM150X		
		Xantos XS (discontinued 2013)	157, 193, 248, 351	FieldMaxII-TO	PM10X	LabMax-TOP	J-25MT-10KHZ
		Lambda SX-Series (<300 W)	248, 308	FieldMaxII-TO	PM300F-50X		
		Lambda SX-Series (>300 W)	308	FieldMaxII-TO	PM1KX		
		VYPER	308	FieldMaxII-TO	PM1KX		

BEAM DIAGNOSTICS	Laser Diode Modules	Laser	Wavelength (nm)	Power Meter	Power Sensor
		StingRay and BioRay Lasers	405 to 830	FieldMaxII-TO	PS10
	Mini Laser	635 to 830	FieldMaxII-TOP	OP-2VIS	

CALIBRATION & SERVICE	Industrial Short-Pulse Lasers (Diode-Pumped Solid State/fs)	Laser	Wavelength (nm)	Power Meter	Power Sensor
		Rapid FX	1030	FieldMaxII-TO	PM150-50C
	Monaco fs (20 to 60W)	517, 1035	FieldMaxII-TO	PM150-50C	
	Fidelity HP	1040	FieldMaxII-TO	PM30, PM150-50C	
	Fidelity-2	1070	FieldMaxII-TO	PM10	
	OPerA Solo Ultrafast	1140 to 1600	FieldMaxII-TO	PM10 or PS10*	
	OPerA-F	650 to 900	FieldMaxII-TO	PM30	

Model Name Index	Ultrafast Lasers for Science	Ultrafast Oscillator	Wavelength (nm)	Power Meter	Power Sensor
		Mantis	800	FieldMaxII-TO	PM10 or PS10*
	Micra	750 to 860	FieldMaxII-TO	PM10 or PS10*	
	Mira	700 to 980	FieldMaxII-TO	PM10	
	Mira 900	700 to 980	FieldMaxII-TO	PM10	
	Mira HP	700 to 980	FieldMaxII-TO	PM10	
	Vitara	755 to 860	FieldMaxII-TO	PM10 or PS10*	
	Vitesse	800	FieldMaxII-TO	PM10 or PS10*	
	Chameleon	680 to 1600	FieldMaxII-TO	PM10	
	Fidelity-2	1070	FieldMaxII-TO	PM10	

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Ultrafast Lasers for Science	Ultrafast Amplifier	Wavelength	Power Meter	Power Sensor	Energy Meter	Energy Sensor
	Astrella	800 nm	FieldMaxII-TO	PM10	LabMax-TOP	J-25MT-10KHZ
	Evolution-15, -30	527 nm	FieldMaxII-TO	PM30	LabMax-TOP	J-25MT-10KHZ + med heat sink
	Evolution-45, -HE	527 nm	FieldMaxII-TO	PM150		
	Hidra	800 nm	FieldMaxII-TO	PM10V1	FieldMaxII-TOP	J-50MB-YAG
	Legend Elite (all configurations)	770 to 845 nm	FieldMaxII-TO	PM10	LabMax-TOP	J-25MT-10KHZ + med heat sink
	Legend Elite Cryo PA	800 nm	FieldMaxII-TO	PM30	LabMax-TOP	J-25MT-10KHZ + med heat sink
	Libra (all configurations)	800 nm	FieldMaxII-TO	PM10	LabMax-TOP	J-25MT-10KHZ
	RegA	480 nm to 10 μm	FieldMaxII-TO	PS10		

Industrial Laser Machines & Systems	Laser Cutting Systems	Wavelength (nm)	Power Meter	Power Sensor
	META 1,5C, 2C			FieldMaxII-TO
META 10C, 4C			FieldMaxII-TO	PM3K
MPS Family	see laser type			
StarCut Tube	see laser type			
UW1200, 150RT	see laser type			
Laser Marking Systems	Wavelength (nm)	Power Meter	Power Sensor	
CombiLine	see laser type			
LabelMarker	see laser type			
EasyMark F20, F30	1064, 1070 nm	FieldMaxII-TO	PM30	
EasyMark F50	1070 nm	FieldMaxII-TO	PM150-50C	
Laser Welding Systems	Wavelength (nm)	Power Meter	Power Sensor	
Desktop		SSIM	PMP HP	
XE-Power		SSIM	PMP HP	
Multi-Purpose Laser Systems	Wavelength (nm)	Power Meter	Power Sensor	
MPS Family	see laser type			
ELA				
VYPER Series	308 nm	LabMax-TO	PM1KX-100	

- POWER & ENERGY
- Power & Energy Meters
- PowerMax-Pro Sensors
- USB/RS Power Sensors
- DB-25 Power Sensors
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