

(G17) 263-1100

LAMBDA PHYSIK PRICE LIST - JUNE, 1984

Excimer Lasers:

	<i>53 MSC</i>		<i>50 mJ XeCl</i>	
EMG 50 E	Excimer Laser, up to 10 W/200 Hz, 40 mJ XeCl, with KrF optics:	\$ 22,700		
	each additional wavelength (output coupler EMG 51):	300		
EMG 101 E	Excimer Laser, up to 10 W/ 50 Hz, 150 mJ XeCl	34,900		
EMG 102 E	Excimer Laser, up to 20 W/100 Hz, 150 mJ XeCl	38,900		
EMG 103 E	Excimer Laser, up to 40 W/200 Hz, 150 mJ XeCl	42,900		
EMG 112	Upgrade EMG 101 E to EMG 102 E	5,000		
EMG 123	Upgrade EMG 102 E to EMG 103 E	5,200		
EMG 113	Upgrade EMG 101 E to EMG 103 E	9,000		
EMG 101 MSC	Excimer Laser, up to 12 W/ 50 Hz, 150 mJ XeCl	36,900		<i>35,000</i>
EMG 102 MSC	Excimer Laser, up to 23 W/100 Hz, 150 mJ XeCl	40,900		
EMG 103 MSC	Excimer Laser, up to 45 W/200 Hz, 150 mJ XeCl	44,900		
EMG 112 M	Upgrade EMG 101 MSC to EMG 102 MSC	5,200		
EMG 123 M	Upgrade EMG 102 MSC to EMG 103 MSC	5,400		
EMG 113 M	Upgrade EMG 101 MSC to EMG 103 MSC	9,500		
EMG 200 E	Excimer Laser, up to 1 J, 10 Hz, 500 mJ XeCl, "F" or "C"	45,900		
EMG 201 E	Excimer Laser, up to 1 J, 25 Hz, 500 mJ XeCl, "F" or "C"	47,900		
EMG 214	Upgrade EMG 200 E - EMG 201 E	3,000		
EMG 215	Conversion kit "C" to "F"	4,000		
EMG 216	Conversion kit "F" to "C"	4,000		
EMG 201 MSC	Excimer Laser, up to 32 W/ 80 Hz, 400 mJ XeCl	50,900		
EMG 202 MSC	Excimer Laser, up to 60 W/150 Hz, 400 mJ XeCl	79,800		
EMG 203 MSC	Excimer Laser, up to 100 W/250 Hz, 400 mJ XeCl	109,800		
EMG 212 M	Upgrade EMG 201 MSC - EMG 202 MSC	31,800		
EMG 223 M	Upgrade EMG 202 MSC - EMG 203 MSC	32,800		
EMG 213 M	Upgrade EMG 201 MSC - EMG 203 MSC	60,900		
EMG 70-5	Unstable Resonator Kit, for EMG 50 E	2,600		
EMG 70-1	Unstable Resonator Kit, for EMG 100 Series	2,600		
EMG 70-2	Unstable Resonator Kit, for EMG 200 Series	2,600		
EMG 150 E	Osc./Ampl. Excimer laser, 350 mJ/25 Hz, "F" or "C"	62,000		
EMG 150 ET	Osc./Ampl. Excimer laser, tunable, 350 mJ/25 Hz, "F" or "C"	66,000		
EMG 150 ES	Osc./Ampl. Excimer laser, 700 mJ/10 Hz, "F" or "C"	74,000		
EMG 150 EST	Osc./Ampl. Excimer laser, tunable, 700 mJ/10 Hz, "F" or "C"	78,000		
EMG 151	Mirror Set, 1 wavelength, for EMG 150 Series	1,900		
EMG 152	Mirror Sets, 2 wavelengths, for EMG 150 Series	3,500		
EMG 153	Mirror Sets, 3 wavelengths, for EMG 150 Series	5,100		
EMG 154	Upgrade Kit to "T-version", for EMG 150 Series	6,000		
EMG 155	Monitor Etalon, for bandwidth monitoring of EMG 150 ET/EST	5,500		
ILC 103	Intelligent Laser Control for EMG 101/2/3 MSC	3,900		
ILC 201	Intelligent Laser Control for EMG 201 MSC	4,400		
ILC 203	Intelligent Laser Control for EMG 202/3 MSC	8,900		

Excimer Laser Accessories:

EMG 25	Oscillator front mirror for EMG 150 series	300
EMG 26	45° turning mirror	290
EMG 28	Oscillator rear mirror for EMG 150 Series, ϕ 34 mm	290
EMG 29	Special 45° turning mirror for EMG 150 series	300
EMG 30	Rear mirror of EMG 70-5 unstable resonator, ϕ 36 mm	400
EMG 31	Front mirror of EMG 70-5 unstable resonator, ϕ 36 mm	400
EMG 32	Rear mirror of EMG 70-1 unstable resonator, ϕ 36 mm	400
EMG 33	Front mirror of EMG 70-1 unstable resonator, ϕ 36 mm	400
EMG 35	Rear mirror of EMG 70-2 unstable resonator, ϕ 36 mm	400
EMG 36	Front mirror of EMG 70-2 unstable resonator, ϕ 36 mm	400
EMG 43	Resonator rear mirror and window	300
EMG 51	Partial reflector ($R \approx 20\%$), specify wavelength, ϕ 34 mm	300
EMG 52	MgF ₂ Window, ϕ 36 mm	250
EMG 53	CaF ₂ Window, ϕ 36 mm	240
EMG 54	Total reflector ($R > 99\%$), specify wavelength, ϕ 34 mm	300
EMG 55	Special oscillator rear mirror, for EMG 150 E(S) T	350
EMG 60	Tunable CO ₂ Optics	6,900
EMG 61	CO ₂ Optics	1,200
EMG 68	Window adapter, 5°	600
EMG 85	Output adapter to Leybold Flange	125
EMG 95	Halogen filter set	75

Dye Lasers:

FL 1002	Dye Laser, 200 cm^{-1} , one amplifier	8,900
FL 2001	Dye Laser, 0.2 cm^{-1} , one amplifier FL 21 required, FL 512 or FL 583 recommended.	14,900
	FL 21-XeCl Pumping Kit for FL 2001	2,900
	FL 21-N ₂ Pumping Kit for FL 2001	2,900
	FL 21-Nd:YAG Pumping Kit for FL 2001	3,200
	FL 21-Cu Pumping Kit for FL 2001	6,600
FL 2002	Dye Laser, 0.2 cm^{-1} , two amplifiers FL 22 required, FL 512 or FL 582 recommended.	18,900
FL 2002 E	Dye Laser, 0.04 cm^{-1} , two amplifiers FL 83 included, FL 22 required FL 583 or FL 512 E and FL 55 and FL 82 recommended.	23,900
	FL 22-XeCl Pumping Kit for FL 2002/2002 E	4,300
	FL 22-KrF Pumping Kit for FL 2002/2002 E	4,900
	FL 22-Nd:YAG Pumping Kit for FL 2002/2002 E	4,900
	FL 22-Ru Pumping Kit for FL 2002/2002 E	5,500
	FL 22-XeCl-UR Pumping Kit for FL 2002/2002 E	5,900
	FL 22-XeCl-203 Pumping Kit for FL 2002/2002 E, > 20 W XeCl	6,900
FL 2002 EC	Dye Laser, 0.009 cm^{-1} , three amplifiers FL 83 included, FL 55 included, FL 22 EC-XeCl included, FL 82 Monitor Etalon required. FL 57 Monitor Etalon required, FL 583 Microprocessor System required. Training included.	58,000
	FL 82 Monitor Fabry-Perot	2,390
	FL 57 Control Monitor Fabry Perot	7,900
	FL 583 Microprocessor System	6,900
FL 2003	Pulsed Dye Amplifier for ps-amplification FL 2013 required	19,900
FL 2013	Synchronization Module	1,900

Dye Laser Accessories:

FL 55	Pressure Tuning Control Unit	3,400
FL 512	Control for One Stepping Motor	2,250
FL 512 E	Control for Two Stepping Motors	2,950
FL 583	Microcomputer Control with Analog Output	6,900
FL 54	Confocal Fabry-Perot Etalon, 0.004 cm ⁻¹	6,850
FL 57	Confocal Fabry-Perot Monitor Etalon System, 0.0012 cm ⁻¹	7,920
FL 82	Fused Silica Fabry-Perot Monitor Etalon, 0.04 cm ⁻¹	2,390
FL 83	Intracavity Fabry-Perot, 0.035 cm ⁻¹	4,860
FL 30T	KDP-590 Crystal, 348-270 nm	1,880
FL 31T	KDP-531 Crystal, 285-260 nm	1,880
FL 32	KPB-492 Crystal, 275-230 nm	2,280
FL 33	KPB-453 Crystal, 233-220 nm	2,280
FL 34	KPB-436 Crystal, 222-217 nm	2,280
FL 35	Pellin-Broca Beam Separator	1,990
FL 36	$\lambda/4$ Plate	350
FL 50	Glan-Foucault Polarizer	750
FL 532 A	Frequency-Doubling Control	3,750
FL 301	Compensator for FL 30 T/FL 31 T	110
FL 323	Compensator for FL 32/FL 33	110
FL 344	Compensator for FL 34	110
FL 11-XeCl	Pumping Optics for FL 2001	980
FL 11-Cu	Pumping Optics for FL 2001	4,600
FL 11-N ₂	Pumping Optics for FL 2001	980
FL 11-Nd:YAG	Pumping Optics for FL 2001	1,200
FL 12-XeCl	Pumping Optics for FL 2002	1,600
FL 12-KrF	Pumping Optics for FL 2002	2,000
FL 12-Nd:YAG	Pumping Optics for FL 2002	2,400
FL 12-Ru	Pumping Optics for FL 2002	2,700
FL 12-XeCl-UR	Pumping Optics for FL 2002	3,200
FL 12-XeCl-203	Pumping Optics for FL 2002	2,000
FL 22 EC-XeCl	Pumping Kit for FL 2002 EC	6,900
LF 302	UV-Photodiode (will be discontinued)	800
LF 303	Filter Set	700
LF 304	Filter Set	600
LF 400	Reticon System (on request only)	8,900
FL 402	Dye Selector (all Kalrez O-rings from August 1984) (=40/2)	1,200
FL 406	Dye Selector (all Kalrez O-rings from August 1984) (=43)	1,900
FL 442	Dye Selector (all Kalrez O-rings from August 1984) (=45/2)	1,900
FL 444	Dye Selector (all Kalrez O-rings from August 1984) (=45/4)	2,100
FL 414	Dye Filter Pack	140
FL 415	Dye Filter Cartridge <i>only</i>	60
FL 422	Flow Dye Cell	580
FL 424	Flow Dye Cell	780
FL 45	Dye Selector System (FL 2002)	3,200
FL 45 EC	Dye Selector System (FL 2002 EC)	4,000
FL 45-203	Dye Selector System (for high rep rates)	9,900

Dye Laser Accessories: (continued)

FL 462	Quartz Cuvette, 20 mm	280
FL 464	Quartz Cuvette, 40 mm	380
FL 463	Quartz Cuvette (oscillator 203)	580
FL 465	Quartz Cuvette (amplifier 203)	980
FL 212	Upgrade FL 2001 to FL 2002	5,000
FL 213	Upgrade FL 2002 to FL 2002 E	6,000
FL 214	Upgrade FL 2002 E to FL 2002 EC	31,000
FL 565	Upgrade FL 512 to FL 512 E	1,100
FL 569	Upgrade FL 512 E to FL 583	4,500
RS 75	Raman Shifter	9,900

PRICES: FOB Boston, MA

DELIVERY: In general 6-12 weeks

INSTALLATION: Included for laser systems

WARRANTY: In general one year, parts and labor, commencing from date of installation or no later than 30 days after delivery.

Reduced warranty for some optical parts as indicated in product list.

Two year warranty for thyatron and magnetic switch in MSC-excimer lasers.

PAYMENT: Net 30 days for established customers.

SERVICE: Labor costs at \$150 per working hour in customer laboratory (min. 3 hours). Express Service (48 hours): labor cost at \$100 per working hour in customer laboratory plus travel expenses.