



REPLACEMENT PARTS
Models LDP-15, LDP-50, LDP-100 and LDP-200
 Revised September 2004

MODULE LEVEL PARTS for OPTICAL RESONATOR

# 010516	15-Watt Diode Module Assembly, 2-mm YAG Rod
# 010586	15-Watt Diode Module Assembly, 3-mm YAG Rod (also replaces P/N 010469 for LDP-50)
# 010469	50-Watt Diode Module Assembly, 3-mm YAG Rod (replaced by P/N 010586)
# 010426	50-Watt Diode Module Assembly, 4-mm YAG Rod
# 010508	100-Watt Diode Module Assembly, 3-mm YAG Rod
# 010389	100-Watt Diode Module Assembly, 4-mm YAG Rod
# 010722	200-Watt Diode Module Assembly, 3-mm YAG Rod
# 010660	200-Watt Diode Module Assembly, 4-mm YAG Rod
# 010422	200-Watt Diode Module Assembly, 5-mm YAG Rod
201662-003	YAG Rod for 15-Watt Diode Module, 2-mm. Laser tested.
201619-005	YAG Rod for 15-Watt Diode Module, 3-mm. Laser tested.
201558-001	YAG Rod for 50-Watt Diode Module, 3-mm Laser tested.
201559-004	YAG Rod for 50-Watt Diode Module, 4-mm. Laser tested.
201557-001	YAG Rod for 100-Watt Diode Module, 3-mm Laser tested.
201981-002	YAG Rod for 100-Watt Diode Module, 4-mm Laser tested.
201980-001	YAG Rod for 200-Watt Diode Module, 3-mm Laser tested.
201981-002	YAG Rod for 200-Watt Diode Module, 4-mm Laser tested.
201982-001	YAG Rod for 200-Watt Diode Module, 5-mm Laser tested.
+ R201662-	Refurbish YAG Rod for 15-Watt Diode Module, 2-mm
+ R201619-	Refurbish YAG Rod for 15-Watt Diode Module, 3-mm
+ R201558-	Refurbish YAG Rod for 50-Watt Diode Module, 3-mm
+ R201559-	Refurbish YAG Rod for 50-Watt Diode Module, 4-mm
+ R201557-	Refurbish YAG Rod for 100-Watt Diode Module, 3-mm
+ R201981-	Refurbish YAG Rod for 100-Watt Diode Module, 4-mm
+ R201980-	Refurbish YAG Rod for 200-Watt Diode Module, 3-mm
+ R201981-	Refurbish YAG Rod for 200-Watt Diode Module, 4-mm
+ R201982-	Refurbish YAG Rod for 200-Watt Diode Module, 5-mm
# 120007	Rear (HR) Mirror, 1064 nm
# 120052	Front Mirror, 80% R 1064 nm
# 120175	Front Mirror, 85% R 1064 nm

MODULE LEVEL PARTS for OPTICAL RESONATOR (Cont'd)

#	120008	Front Mirror, 90% R 1064 nm
#	120337	Front Mirror, 92.5% R 1064 nm
	•	SHG Assembly, Lateral Emission
	•	SHG Assembly, Offset Emission
	•	SHG Assembly, Inline Beam (tall assembly)
	•	SHG Assembly, Inline Beam (short assembly)
	120650	LBO Replacement Crystal Kit, 3 x 3 mm, for SHG assembly
	R120650	Refurbish LBO Replacement Crystal Kit, 3 x 3 mm
	120404	LBO Replacement Crystal Kit, 5 x 5 mm, for SHG assembly
+	R120404	Refurbish LBO Replacement Crystal Kit, 5 x 5 mm
#	120222	Rear (HR) Mirror, 532 nm, 1.5 mcc ("L" and Inline SHGs)
	120223	Lateral Mirror for SHG, HR 1064 nm, HR 532 nm @ 0°
	120224	SHG Output Mirror, HR 1064 nm, HT 532 nm @ 45° ("L" SHG)
	120275	SHG Output Mirror, HR 1064 nm, HT 532 nm @ 0° (Inline SHG)
#	120358	Internal Mirror, HT 1064 nm, HR 532 nm @ 0° (Inline SHG)
#	120556	Internal Mirror, HT 1064 nm, HR 532 nm @ 0° (Inline SHG, high-power at 532 nm)
	120087	Wave Washer
#	120065	Q-Switch 27.12 MHz. Laser Tested
	200713	HeNe Laser Head
	200710	HeNe Laser Power Supply
	120028	Shutter Solenoid

MODULE LEVEL PARTS for RF SUPPLY

010343-001	Q-Switch Supply w/o meter; w/ 020071-002 RF Control PCB
010343-002	Q-Switch Supply w/o meter, w/ 020071-003 RF Control PCB
010343-003	Q-Switch Supply w/o meter, w/ 020071-003 RF Control PCB For lasers with second harmonic generator (SHG)
010344-001	Q-Switch Supply with meter; w/ 020071-002 RF Control PCB
010344-002	Q-Switch Supply with meter, w/ 020071-003 RF Control PCB
010344-003	Q-Switch Supply with meter, w/ 020071-003 RF Control PCB For lasers with second harmonic generator (SHG)
020071-002	RF Control PCB, Fast Retrigger
020071-003	RF Control PCB, Slow Retrigger
120048	Amplifier Module, 27.12 MHz

MODULE LEVEL PARTS for POWER SUPPLY

020091-001	A2- Interlock/Water Quality PCB Assy
120256	A3- DC Power Supply Module, +24v, LDP-15, LDP-50
120255	A3- DC Power Supply Module, +48v, LDP-100, LDP-200
020083	A4- Diode Current Control PCB Assy
+ 020040-001	A5- \pm 15 VDC Power Supply Assy, 3-Amp
020087-001	A6- External Power Control PCB Assy, Digital (for Computer Interface)
020087-002	A6- External Power Control PCB Assy, Analog (for Computer Interface)
020087-003	A6- External System Control PCB Assy, Digital (for System Control)
020087-004	A6- External System Control PCB Assy, Analog (for System Control)
020097	A7- Temperature Control PCB
200763	A18- Digital Volt/Temp. Meter; S19402DA

MODULE LEVEL PARTS for COOLING SYSTEM

010437-001	Refrigerated Chiller Subassembly (laser with Q-switch), LDP-15, LDP-50, LDP-100
010437-002	Refrigerated Chiller Subassembly (laser w/o Q-switch) LDP-15, LDP-50, LDP-100
010437-003	Refrigerated Chiller Subassembly (laser with SHG) LDP-15, LDP-50, LDP-100
010437-004	Refrigerated Chiller Subassembly (laser with Q-switch), LDP-15, LDP-50, LDP-100. Replaces 010437-001.
010437-005	Refrigerated Chiller Subassembly (laser w/o Q-switch), LDP-15, LDP-50, LDP-100. Replaces 010437-002.
010629	Cooler, Water/Water, LDP-200
010714-001	Refrigerated Chiller Subassembly, water cooled, LDP-200
020090	Chiller Temperature Control PCB Assy
120263	Flow Switch Assy, Refrigerated Chiller
120433	Flow Switch Assy, Water/water Cooler
120135	Solenoid Flow Valve
* 120378	Biocide Maintenance Kit, 10" (for water cooled lasers manufactured before January 2002; replaced by UV sterilizer)
* 120372	Biocide Maintenance Kit, 5" (for air cooled lasers manufactured before January 2002; replaced by UV sterilizer)
120253	1/3-HP Water Pump Assy, 1-phase
120039	Water Level Switch
* 202191	UV Lamp Replacement

MODULE LEVEL PARTS for COOLING SYSTEM (Cont'd)

202192	UV Quartz Sleeve Replacement
010591-002	UV Ballast
* 120482	Particle Filter, 5-inch, 5-micron
120438	Thermistor Upgrade Kit
010631	Thermistor w/ connector (for lasers with P/N 120438)
120482	5-Micron Particle Filter, 5"

MISCELLANEOUS REPLACEMENT PARTS

LDPM-	Operation Manual (current revision)
LAC-350-115	Alignment Autocollimator, 115 V, with rail carriage
LAC-350-220	Alignment Autocollimator, 220 V, with rail carriage
120230	Key Switch
120231	Power "On/Off" Switch
120232	Shutter "Open/Closed" Switch
120233	Pump Start Switch (momentary)

- * Routine periodic replacement required
- # Occasional replacement may be necessary
- + Pending Lee Laser evaluation
- See Operation Manual for correct part number

Note: To find specific part numbers for your laser, refer to Sections 1, 7 and 8 of your Operation Manual.