



## REPLACEMENT PARTS, Models LDP-10 and LDP-20

Revised September 2004

### MODULE LEVEL PARTS for OPTICAL RESONATOR

# 010461	10-Watt Diode Module Assembly, 3-mm YAG Rod
# 010466	10-Watt Diode Module Assembly, 2-mm YAG Rod
# 010421	20-Watt Diode Module Assembly, 3-mm YAG Rod
201619-005	YAG Rod for 10-Watt Diode Module, 3-mm. Laser tested.
201662-003	YAG Rod for 10-Watt Diode Module, 2-mm Laser tested.
201558-001	YAG Rod for 20-Watt Diode Module, 3-mm Laser tested.
+ R201619-	Refurbish YAG Rod for 10-Watt Diode Module, 3-mm
+ R201662-	Refurbish YAG Rod for 10-Watt Diode Module, 2-mm
+ R201558-	Refurbish YAG Rod for 20-Watt Diode Module, 3-mm
# 120007	Rear (HR) Mirror, 1064 nm
# 120008	Front Mirror, 90% R 1064 nm
# 120337	Front Mirror, 92.5% R 1064 nm
# 120117	Front Mirror, 95% R 1064 nm
# 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)
120087	Wave Washer
# 201696	Q-Switch 27.12 MHz, 20-Watt RF Power. Laser Tested
# 120065	Q-Switch 27.12 MHz, 50-Watt RF Power. Laser Tested
200713	HeNe Laser Head
200710	HeNe Laser Power Supply
120028	Shutter Solenoid
010385-001	SHG Assembly, Lateral Emission
010385-002	SHG Assembly, Offset Emission
010542	SHG Assembly, Inline Beam (tall assembly)
010582-002	SHG Assembly, Inline Beam (short assembly)
010610-002	SHG Assembly, Inline Beam (for sealed resonator)
010625	SHG Assembly, Inline Beam (tall assembly)
120404	LBO Replacement Crystal Kit, 5x5 mm, for SHG assembly
+ R120404	Refurbish LBO Replacement Crystal Kit, 5x5 mm

**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)  
 010504-001 Q-Switch Supply with meter; low power, w/ 020071-002 RF  
 Control PCB  
 010504-002 Q-Switch Supply with meter; low power, w/ 020071-003 RF  
 Control PCB  
 010581-001 Q-Switch Supply w/o meter; low power, w/ 020071-002 RF  
 Control PCB  
 010581-002 Q-Switch Supply w/o meter; low power, w/ 020071-003 RF  
 Control PCB  
 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  
 120255 A3- DC Power Supply Module, +48v, LDP100  
 120256 A3- DC Power Supply Module, +24v, LDP50  
 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**

010488-001	Refrigerated Chiller Subassembly (laser with Q-switch)
010488-002	Refrigerated Chiller Subassembly (laser w/o Q-switch)
010488-003	Refrigerated Chiller Subassembly (laser with SHG)
020090	Chiller Temperature Control PCB Assy
120263	Flow Switch Assy, Refrigerated Chiller
120433	Flow Switch Assy, Water/water Cooler
120135	Solenoid Flow Valve
* 120378	DI Water Filter Cartridge, 10" (for water cooled)
* 120372	DI Water Filter Cartridge, 5" (for air cooled)
120520	Water Pump Assembly, for replacement
120523	Water Pump Upgrade Kit, refrigerated (from Procon pump)
120523-001	Water Pump Upgrade Kit, water cooled (from Procon pump)
120039	Water Level Switch
* 202191	UV Lamp Replacement
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

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