

Series CL240



70 Watt 1064 nm

**High rep. rate
pulse-to-pulse energy modulation**

Applications

- pulse-to-pulse addressable pulse energy up to 200kHz repetition rate
- high repetition rate solid-state diode pumped Q-switched laser in oscillator-amplifier configuration
- short pulses at high repetition rates (*short pulse option*)
- excellent beam quality
- fundamental 1064 nm (532 nm, 355 nm available soon)
- compact laser for micro and precision processing
- no external cooling unit required
- ports for TTL, analog and RS 232 control
- cost-effective operation
- customised modifications possible

- grayscale laser printing
- micro-machining
- marking, thin film structuring, trimming



Model		CL 240 - 1064	CL 240 - 532
Wavelength		1064 nm	532 nm
Pulse Repetition Rate		1 ... 400 kHz	
Power			
Pulse Width @	20 kHz 100 kHz 200 kHz	15 ns 60 ns 80 ns	10 ns 50 ns 65 ns
Power @	20 kHz 100 kHz 200 kHz	40 W 60 W 70 W	20 W 15 W 10 W
Beam Quality		$M^2 < 1,4$	$M^2 < 1,5$
Polarisation		Linear	
Dimension Laserhead (W/H/L)		260 mm × 138 mm × 500 mm (<i>water cooled</i>)	
Dimension Power Supply (W/H/L) <i>without cooler</i>		19 Inch, 3 RU (<i>water cooled</i>)	
Power Consumption		110 –240 V, 50–60 Hz, 2.000 W	
Operating Temperature		15 ... 35 °C	

Series CL240 *short pulse*

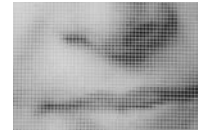


50 Watt 1064 nm

**High rep. rate
pulse-to-pulse energy modulation**

Applications

- pulse-to-pulse addressable pulse energy up to 400kHz repetition rate
 - high repetition rate solid-state diode pumped Q-switched laser in oscillator-amplifier configuration
 - short pulses at high repetition rates
 - excellent beam quality
 - 1064 nm , 532 nm (*)355 nm available soon)
 - compact laser for micro and precision processing
 - ports for TTL, analog and RS 232 control
 - cost-effective operation
 - customised modifications possible
- grayscale laser printing
 - micro-machining
 - marking, thin film structuring, trimming



Model		CL 240 – 1064 - sp	CL 240 – 532 - sp
Wavelength		1064 nm	532 nm
Pulse Repetition Rate		10 ... 400 kHz	
Pulse Width @	20 KHz 50 kHz 100 kHz 200 kHz	10 ns 12 ns 15 ns 25 ns	8 ns 10ns 12 ns 20 ns
Power @	20 kHz 50 kHz 100 kHz 200 kHz	25 W 40 W 45 W 50 W	15 W 20 W 20 W 10 W
Beam Quality		$M^2 < 1,4$	
Polarisation		Linear	
Dimension Laserhead (W/H/L)		260 mm × 138 mm × 500 mm (water cooled)	
Dimension Power Supply (W/H/L) without cooler		19 Inch, 3 RU (water cooled)	
Power Consumption		110 –240 V, 50–60 Hz, 2.000 W (Dimension Power Supply (W/H/L) without cooler)	
Operating Temperature		15 ... 35 °C	