

Series CP400- 4



Conduction cooled base plate



Fan cooled base plate
Up to 4 kHz PRF

- high peak power solid-state diode pumped Q-switched laser
- fundamental 1064 nm, 532 nm and 355 nm available
- air-cooled, compact laser for micro and precision processing
- no additional cooling unit required
- excellent beam quality
- short pulses
- high peak power
- pulse on demand
- high reliability for 24/7 operation
- ports for TTL, analog and RS 232 control
- cost-effective operation

Applications

- rapid prototyping
- wavelength sensitive processes
- micro-machining
- marking, structuring, trimming
- glass engraving



Model	CP400-4-1064	CP400-4-532	CP400-4-355
Wavelength	1064 nm	532 nm	355 nm
Power	4 (1,5) W @ 4 (2) kHz	2 (1,5) W @ 4 (2) kHz	0,8 (0,5) W @ 4 (2) kHz
Pulse Repetition Rate	1 ... 4000 (2000) Hz	1 ... 4000 (2000) Hz	1 ... 4000 (2000) Hz
Pulse Width	6 ns @ 4 (2) kHz	4 ns @ 4 (2) kHz	4 ns @ 4 (2) kHz
Pulse Energy	1000 (750) µJ @ 4 (2) kHz	500 (375) µJ @ 4 (2) kHz	200 (125) µJ @ 4 (2) kHz
Beam Quality	$M^2 < 1,3$		
Polarization	linear		
Dimension Laserhead (W/H/L)	Fan cooled base plate 125 mm × 129 mm × 410 mm Conduction cooled base plate 125 mm × 75 mm × 410 mm (opt.) limited to 2kHz PRF		
Dimension Power Supply (W/H/L)	260 mm x 250 mm x 132 mm (OEM power supply) 19" Rack , 3 HU (standard power supply)		
Power Consumption	24 V DC, 750 W (OEM power supply) 110 –240 V, 50–60 Hz, 350 W (standard power supply)		
Operating Temperature	15 ... 35 °C		

(....) valid for conduction cooled base plate option