

## OPTO ADVANT™ YAG LASER PHOTODISRUPTOR TECHNICAL SPECIFICATIONS

<b>LASER TYPE</b>	Q-switched (CQ-Crystal) Nd:YAG	
<b>LASER WAVELENGTH</b>	1064nm	
<b>MODE</b>	Fundamental	
<b>ENERGY ADJUSTMENT</b>	0.2 mJ - 10 mJ in single pulse mode continuously variable 10 mJ - 20 mJ in double pulse mode continuously variable 20 mJ - ≤45 mJ in triple pulse mode continuously variable	
<b>MAX. ENERGY OUTPUT</b>	Maximum of 45 mJ in Triple pulse mode, continuously variable	
<b>BURST MODE</b>	1, 2 or 3 pulses per burst	
<b>AIR BREAKDOWN</b>	2.5mJ	
<b>YAG OFFSET FOCUS</b>	Adjustable from Anterior (-) 500 mm to Posterior (+) 500 mm (detent steps @ 0, +/-150, 250, 500 mm)	
<b>PULSE WIDTH</b>	4 ns	
<b>SPOT SIZE</b>	8 μm	
<b>CONE ANGLE</b>	16°	
<b>IONIZATION IN WATER</b>	≤ 1 mJ in water	
<b>MAGNIFICATION</b>	Integrated 5-position, 6X, 10X, 16X, 25X, 40X	
<b>REPETITION RATE</b>	> 2.5 Hz	
<b>AIMING BEAM</b>	<b>Laser type</b>	Laser diode dual beam
	<b>Wavelength</b>	635nm
	<b>Mode of Operation</b>	Continuous Wave (CW)
	<b>Output power</b>	Maximum of 200μW
	<b>Power adjustment</b>	Continuously variable
	<b>Safety Class</b>	Class 1

## OPTO ADVANT™ YAG LASER INTEGRATED SLITLAMP TECHNICAL SPECIFICATIONS

<b>SLIT LAMP AND ILLUMINATION</b> (Specially altered CSO950 to include laser system in the binocular arm)	<b>Microscope</b>	Galilean
	<b>Eyepiece</b>	12.45x
	<b>PD Range</b>	55-75mm
	<b>Diopter adjustment</b>	+/-8D
	<b>Real Fields of View</b>	5.2-40mm
	<b>Slit illumination</b>	Halogen Lamp 6V 20W
	<b>Slit Width</b>	0 - 13mm
	<b>Slit Length:</b>	2 - 12.5mm
	<b>Slit Apertures</b>	0.3, 6, 10, 13,, and continuous
	<b>Slit Angles</b>	0° - 180°
	<b>Filters (Heat Absorbing)</b>	Red Free (Green) Cobalt blue Daylight
<b>SLIT LAMP RANGE OF MOVEMENT</b>	<b>Illumination Intensity:</b>	0 - 600,000Lux
	<b>Vertical (Up/Down)</b>	30mm
	<b>Lateral (Left/Right)</b>	105mm
	<b>Chin Rest Range</b>	80mm
<b>ELECTRICAL REQUIREMENTS</b>	900-240V AC 50/60 Hz single phase	
<b>COOLING</b>	Air convection	
<b>POWER CONSUMPTION</b>	300VA incl. 100VA O/P for Motorized Table (all versions)	
<b>DIMENSIONS</b>	520 mm (H) x 340 mm (W) x 450 mm (D)	
<b>WEIGHT</b>	21kgs (46lbs)	