



Y510&571P4000-1

Application

- . Medical Laser
- . Scientific Experiment
- . Optical Instrument
- . Laser Display

Specifications

Model No#		Y510&571P4000-1		
Mechanical Specifications		Min	Typ	Max
Dimensions	Width x Height (mm)	-	420*1170	-
	Length (mm)	-	510	-
	Weight (kg)	-	22	-
Optical Specifications		Min	Typ	Max
510 Laser Wavelength(nm)		507	510	513
571 Laser Wavelength (nm)		565	571	576
510 Laser Output Power(W)		0	-	3
571 Laser Output Power (W)		0	-	1
Power Stability(RMS)		-	-	5%
Indicating Light Wavelength(nm)		-	635	-
Indicating Optical Power(mW)		-	-	5
Modulation Mode		ACC		
Laser Class		4		

Fiber Specifiaction		Min	Typ	Max
Fiber (six combined)	Diamter(μm)	-	400	-
	Length(m)	-	2.0	-
Longitudinal Mode		TEM ₀₀		
Beam Size(cm)/45cm		8	-	10
Electrical Specifications		Min	Typ	Max
Power Supply		220VAC \pm 10%		
Temperature Setting of water cooler ($^{\circ}\text{C}$)		-	18.5	-
Electric Shock Protection Category		I		
Timing Range (mins)		1	-	200
Display Mode		WQVGA		
Reliability		Min	Typ	Max
Ambient Operating Temperature Range ($^{\circ}\text{C}$)		10	25	40
Rise Time (minutes)		-	-	10
Storage Temperature ($^{\circ}\text{C}$)		-10	-	50
Environmental Humidity (RH, %)		30	-	75
Lifetime(hours) (MTTF at 25°C)		5,000	-	-
Note				
<p>1. The max output power of 510nm laser is 3.1W; The max output power of 571nm laser is 1.2W; It will may damage the laser if the output power is larger than this.</p> <p>2. Temperature Setting of water cooler should be 18.5°C, if larger than this, the output power of the laser will be lower.</p> <p>3. The lens in the optical fiber end beam shaping system can be focus adjusted, which can change the working distance and spot size.</p>				