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SLD Light Source Desktop

Part Number: IPSDM1003-××××

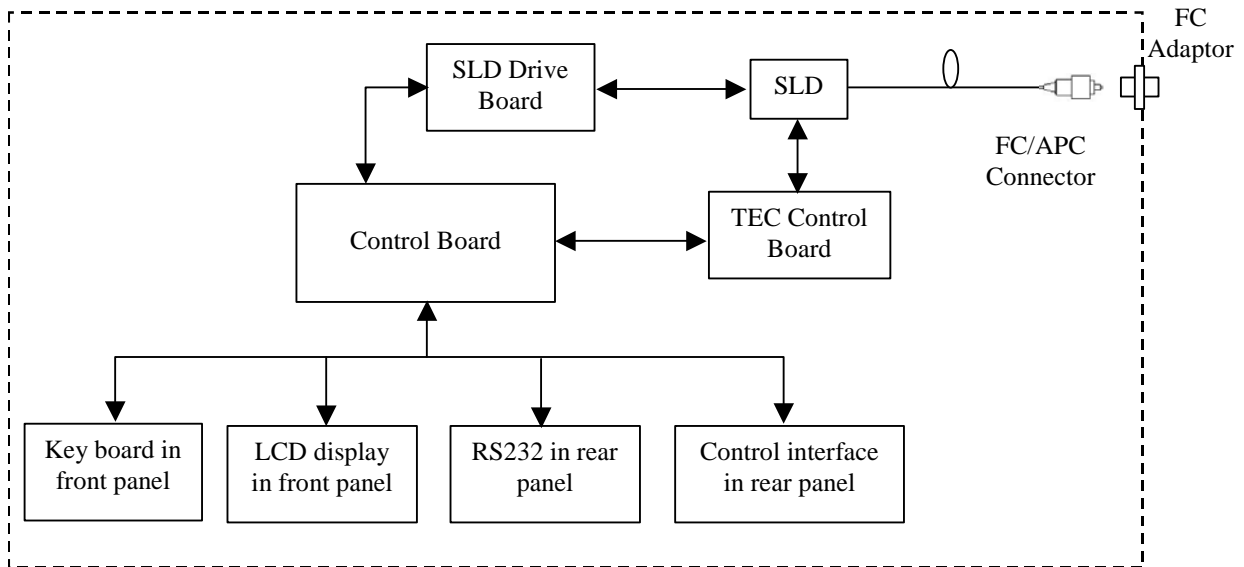## 1. Configuration

Figure 1   Configuration of IPSDM1003-×××× SLD light source desktop

2. Absolute Maximum Ratings

Parameter	Min.	Typ.	Max.	Unit
Power Supply Voltage	100	-	240	VAC
Storage Temperature	-40	-	+85	°C
Humidity	10	-	100	%

3. Recommended Operational Condition

Parameter	Min.	Typ.	Max.	Unit
Operating Temperature	10	25	35	°C
Operating Humidity	30	60	75	%

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4. Optical characteristics

Items	Specifications			Unit	Notes
	Min.	**Typ.**	**Max.**		
Center Wavelength (at center of FWHM)	1040	1050	1060	nm	@ 25°C, CW optical output and optical connector included.
3dB Optical Bandwidth	-	55	-	nm	
Optical Output Power	-	30	-	mW	
ASE Ripple @ 0.1nm	-	-	0.2	dB	
Optical Power Stability (8hr)	-	-	±0.1	dB	Stability test of P_{max} after 0.5 hour warm up at 25°C
Optical Interface	FC Female Adapter			**-**	
Fiber Connector	FC/APC			**-**	
Optical Isolator	None included			**-**	
Fiber type	SMF/PMF/MMF			-	

5. Electrical characteristics

Item	Specifications			Unit	Notes
	Min.	**Typ.**	**Max.**		
Power Control	Current control for SLD			-	Press keyboard in the front panel manually, or via RS232 by computer.
SLD Drive Current Monitor	SLD drive current display on Screen			-	Or get data through RS232.
Keyboard lock	Lock & Key switch for front panel buttons' activation			-	A keyboard disable switch in the rear panel.
Connector for RS232	DB9 Connector, Male.			-	In the rear panel
Connector for Control	DB9 Connector, Female.			-	

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6. Physical Dimensions and Mechanical Specifications
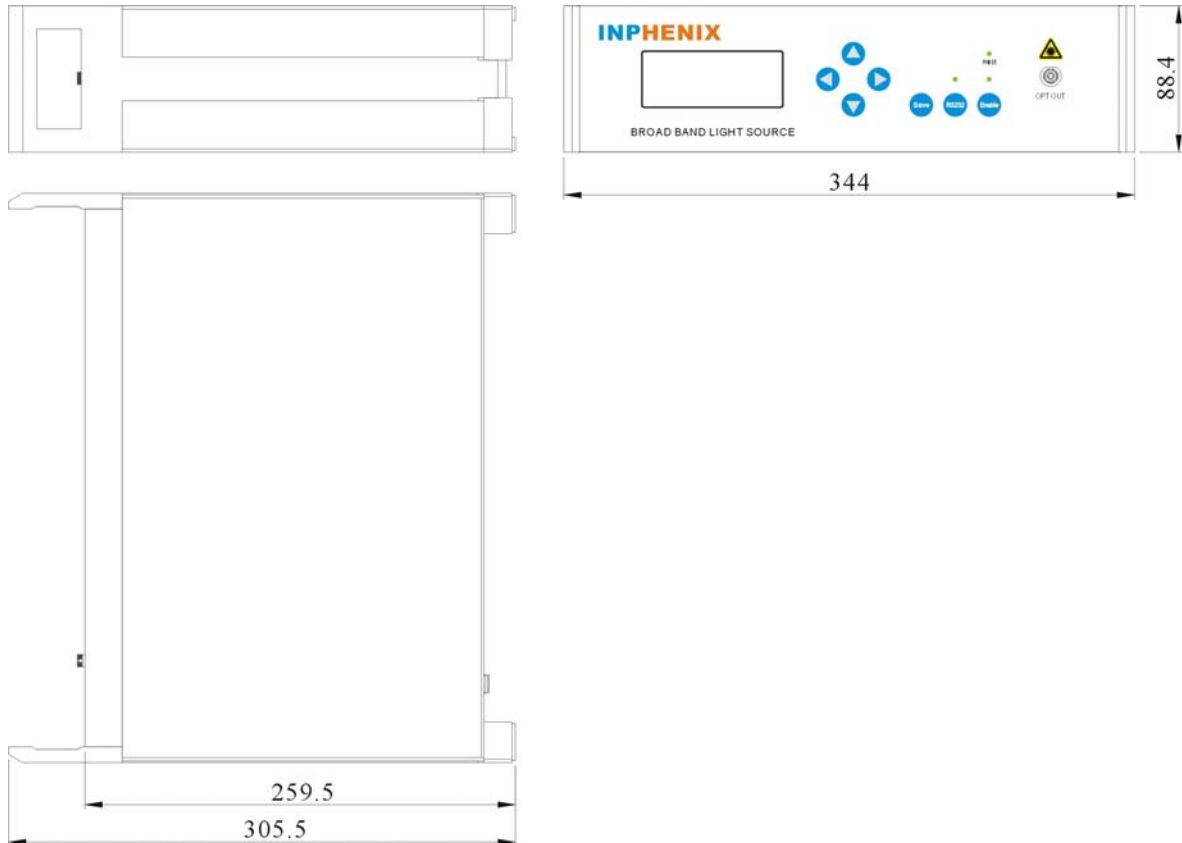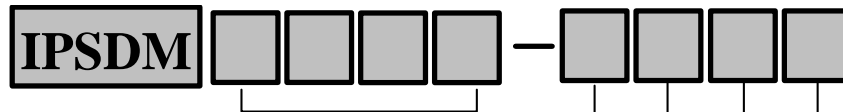
Size: 344mm(W)×260mm(D)×90mm(H)

Figure 2   Mechanical drawing of IPSDM1003-×××8 SLD light source desktop

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7. Part Numbering Structure of SLD light source desktop

$$\boxed{\textbf{IPSDM}}\ \square\square\square\square - \square\square\square\square$$

Model Number
07**: 700~790nm SLD
08**: 800~890nm SLD
09**: 900~990nm SLD
10**: 1010~1090nm SLD
13**: 1300~1390nm SLD
14**: 1400~1490nm SLD
15**: 1500~1590nm SLD

Output Type
0: FC Adaptor
1: Pigtail fiber

Connector Type

0: No Connectors
3: FC/APC   4: FC/UPC
7: SC/APC   8: SC/UPC

Fiber Type
1: SM Fiber
2: PM Fiber
3: MM Fiber

Case Size
8: 344×260×90mm case
9: 450×300×90mm case

Example: IPSDM0701-0318: 700nm-type SLD light source desktop in 344×260×90mm case with FC adaptor output, 900µm SM fiber with FC/APC connector.