



MFSC 1000X-1500X(G5)

使用手册

版权说明

“ ”

引 语

MFSC

MFSC

公司简介

2004

<http://www.maxphotonics.com>



:
: <http://www.maxphotonics.com>
: 400-900-9588
: +86-755-36869371
: info@maxphotonics.com

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	5
1-	5
2-	6
3-	6
4-	7
5-	11
	12
1-	12
2-	12
3-	12
4-	13
5-	13
6-	13
7-	14
	15
1-	15
2-	16
3-	16
4-QBH	17






5-	18
6-	19
	21
1-	21
2-	.....	21
	.....	22
1-	.....	22
2-	.....	22
3-	.....	23
4-	.....	24
5-	.....	26
6-	.....	27
7-	.....	27
8-	.....	31
	.....	32
1-	.....	32
2-	.....	32
	.....	33
1-	.....	33
2-	.....	33

第一章 特性说明

MFSC 1000X-1500X G5) 1060nm~1100 nm
>30% MFSC Class 4

第二章 安全信息

1 -

MFSC

1060nm~1100 nm

2-

1.

2.

LaserVision USA Kentek Corporation Rochwell Laser Industries

3-

EN IEC 61000-6-4:2019

CISPR 16-2-1

CISPR 16-2-3

EN IEC 61000-6-2:2019

EN 61000-4-2:2009

EN 61000-4-3:2020

EN 61000-4-4:2012

EN 61000-4-5:2014+A1:2017

EN 61000-4-6:2014

EN 61000-4-11:2020

EN 60825-1:2014+A11:2021

CDRH 21 CFR 1040.10

EN 60204-1:2018

MFSC
" EMC Directive"
EMC
MFSC
Class 4
Class 4
EN 60825-
1 8

4 -

1.

2.

MFSC

3.

1

2

3

4

5

6

7

8

9

10

11

4.

1

2

3

4

200-240VAC-1000X-1500X G5

5

6

7

200-240VAC-1000X-1500X G5

5.

1

2

0

5-

Laser Institute of America(LIA)

13501 Ingenuity Drive, Suite 128

Orlando,Florida 32826

Phone:407 380 1553,Fax: 407 380 5588

Toll Free:1 800 34 LASER

American National Standards Institute

ANSI Z136.1, American National Standard for the Safe Use of Lasers

(Available through LIA)

International Electro-technical Commission

IEC 60825-1, Edition 1.2

Center for Devices and Radiological Health

21 CFR 1040.10 - Performance Standards for Light-Emitting Products

US Department of Labor - OSHA

Publication 8-1.7 - Guidelines for Laser Safety and Hazard Assessment.

Laser Safety Equipment

Laurin Publishing

Laser safety equipment and Buyer's Guides

第三章 产品描述

1-

MFSC 1000X-1500X G5

1
2
3
4
5

1 2

2-

6

3-

MFSC-1000X(G5)	1000X
MFSC-1500X(G5)	1500X

4-

5-

1000X/1500X G5.0-G5.7



1000X/1500X G5.8



6-

1000X/1500X G5.0-G5.7



1000X/1500X G5.8



AC 220V 1000X-1500X (G5)	200-240VAC
POWER 1000X-1500X (G5)	200-240VAC
ETHERNET	
CTRL	
RS232	RS232
ACTIVE/ALARM	() / ()
WATER IN	()
WATER OUT	
OPTICAL OUTPUT	

7-

1.

6.4

QBH

G4.2 QBH



第四章 详细规格

1-

1		/				
2						
3	MFSC-1000X(G5)	100%		1000		W
	MFSC-1500X(G5)	100%		1500		
4			10		100	%
5		100%	1070	1080	1090	nm
6	3dB	100%		3	5	nm
7		100%	>1h	± 1	± 1.5	%
8		100%	>24h	± 2	± 3	%
9	BPP	50um-QBH			1.5	mm x mrad
10	M ²	20um-QBH			1.5	
11		10% 90%		50	100	μs
12		90% 10%		50	100	μs
13		100%			20	KHz
14		100%	200			μW
	MFSC-1000X(G5)		10			m
15	MFSC-1500X(G5)		10			
16			20 50	um-QBH		μm
17			200			mm
18		QBH LOC				

2-

1	MFSC-1000X(G5)		200	220	240	VAC
	MFSC-1500X(G5)		200	220	240	
2	MFSC-1000X(G5)	100%			3.4	KW
	MFSC-1500X(G5)	100%			5.0	
3			10		40	
4			10		85	%
5						
6			-10		60	
7		482.6*478*128 W*D*H				mm
8	MFSC-1000X(G5)		29± 2			kg
	MFSC-1500X(G5)		32± 2			

3-

1				
2		30	30	
		26	22	
3		3		bar
4	MFSC-1000X(G5)	10		L/min
	MFSC-1500X(G5)	15		
5	MFSC-1000X(G5)	2.5		kw
	MFSC-1500X(G5)	3.5		

40

26

;

p 0.5bar

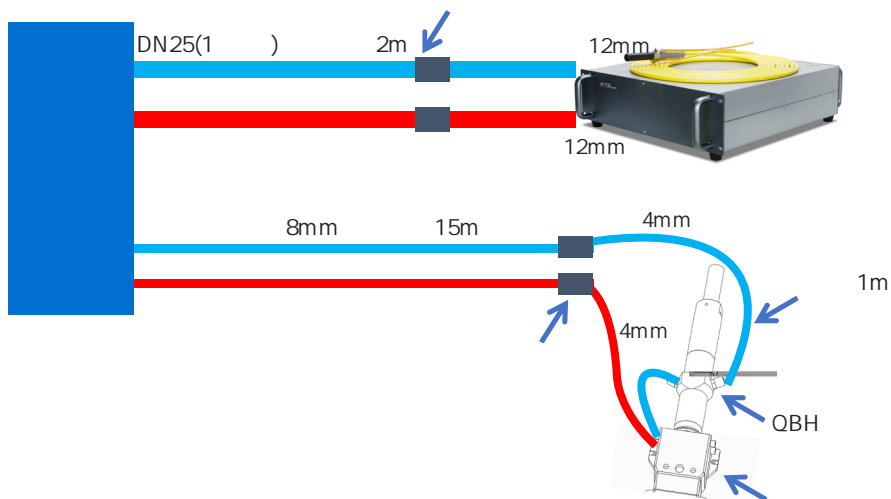
;

0

4-QBH

		L/min	bar	
	* = 6* 4	2	3	28-30

8mm 15m ;
 QBH 6 1m ;
 QBH ;
 p 1.5bar



5-

1

1000

2

10 - 40

3

10% - 85%

4

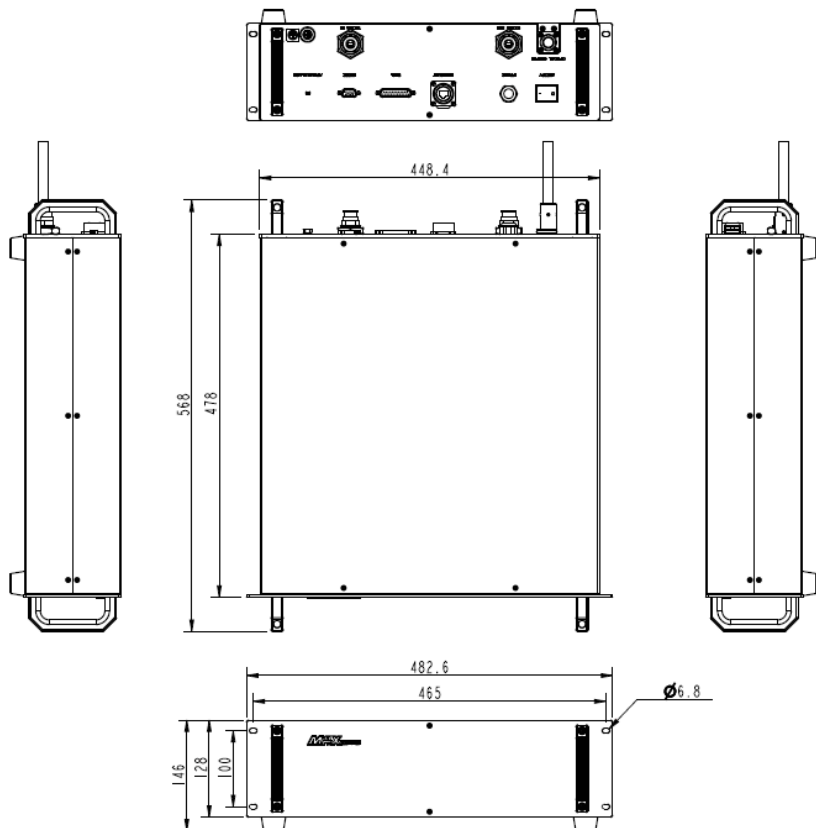
环境温度、相对湿度、露点对照表														
相对湿度%	30	35	40	45	50	55	60	65	70	75	80	85	90	95
环境温度(°C)	露点 Td (°C)													
10	-7.0	-5.0	-3.0	-1.3	0.0	1.5	2.5	3.6	4.8	5.9	6.7	7.6	8.4	9.2
11	-6.5	-4.0	-2.0	-0.5	1.0	2.5	3.5	4.3	5.8	6.7	7.7	8.6	9.4	10.2
12	-5.0	-3.0	-1.0	0.5	2.0	3.3	4.4	5.5	6.7	7.7	8.7	9.5	10.9	11.2
13	-4.5	-2.0	-0.2	1.4	2.8	4.1	5.3	6.6	7.7	8.7	9.6	10.5	11.4	12.2
14	-3.2	-1.0	0.7	2.2	3.5	5.1	6.4	7.5	8.6	9.6	10.6	11.5	12.4	13.2
15	-2.3	-0.3	1.5	3.1	4.6	6.0	7.3	8.4	9.6	10.6	11.6	12.5	13.4	14.2
16	13.5	14.5	15.3	16.2	17	17.5	18.2	18.9	19.6	20.2	20.8	21.4	22.0	22.6
17	14.5	15.4	16.4	17.2	18	18.2	18.8	19.4	20.0	20.6	21.1	21.7	22.2	22.8
18	15.4	16.5	17.3	18.2	19	19.1	19.6	20.1	20.6	21.1	21.6	22.1	22.6	23.1
19	16.5	17.4	18.3	19.2	20	20.0	20.4	20.8	21.3	21.7	22.2	22.6	23.1	23.6
20	17.4	18.4	19.3	20.2	21	21.0	21.4	21.8	22.3	22.7	23.2	23.6	24.1	24.6
21	18.4	19.4	20.3	21.2	22	22.0	22.4	22.8	23.3	23.7	24.2	24.6	25.1	25.6
22	19.4	20.4	21.3	22.2	23	23.0	23.4	23.8	24.3	24.7	25.2	25.6	26.1	26.6
23	20.4	21.4	22.3	23.1	24	24.0	24.4	24.8	25.3	25.7	26.2	26.6	27.1	27.6
24	21.3	22.3	23.2	23.9	25	25.0	25.4	25.8	26.3	26.7	27.2	27.6	28.1	28.6
25	22.3	23.3	24.2	25.1	26	26.0	26.4	26.8	27.3	27.7	28.2	28.6	29.1	29.6
26	23.2	24.3	25.2	26.1	27	27.0	27.4	27.8	28.3	28.7	29.2	29.6	30.1	30.6
27	24.2	25.2	26.2	27.1	28	28.0	28.4	28.8	29.3	29.7	30.2	30.6	31.1	31.6
28	25.2	26.2	27.2	28.1	29	29.0	29.4	29.8	30.3	30.7	31.2	31.6	32.1	32.6
29	26.2	27.2	28.2	29.1	30	30.0	30.4	30.8	31.3	31.7	32.2	32.6	33.1	33.6
30	26.9	28.2	29.2	30.1	31	31.0	31.4	31.8	32.3	32.7	33.2	33.6	34.1	34.6
31	28.1	29.2	30.1	31.1	32	32.0	32.4	32.8	33.3	33.7	34.2	34.6	35.1	35.6
32	29.0	30.1	32.1	32.1	33	33.0	33.4	33.8	34.3	34.7	35.2	35.6	36.1	36.6
33	29.5	31.1	32.1	33.1	34	34.0	34.4	34.8	35.3	35.7	36.2	36.6	37.1	37.6
34	31.0	32.1	33.1	34.1	35	35.0	35.4	35.8	36.3	36.7	37.2	37.6	38.1	38.6
35	32.0	33.1	34.1	35.2	36	36.0	36.4	36.8	37.3	37.7	38.2	38.6	39.1	39.6
36	33.0	34.1	35.2	36.2	37	37.0	37.4	37.8	38.3	38.7	39.2	39.6	40.1	40.6
37	33.9	35.1	36.0	37.0	38	38.0	38.4	38.8	39.3	39.7	40.2	40.6	41.1	41.6
38	34.9	36.2	36.8	38.1	39	39.0	39.4	39.8	40.3	40.7	41.2	41.6	42.1	42.6
39	35.8	36.8	38.1	39.1	40	40.0	40.4	40.8	41.3	41.7	42.2	42.6	43.1	43.6

30

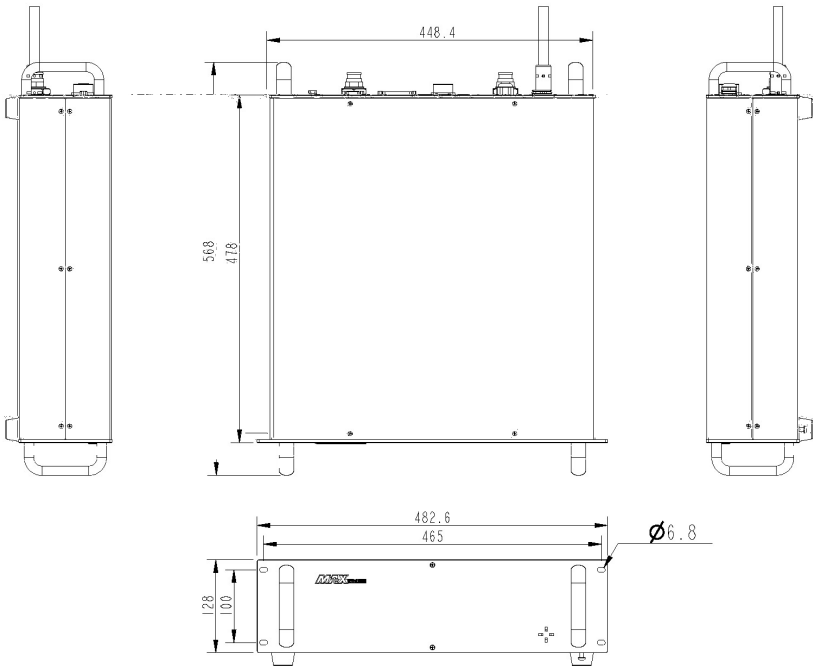
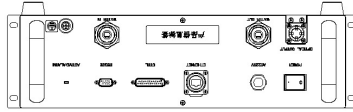
70%

6-

mm (G5.0-G5.7)



mm (G5.8)



mm

28

2

水管接头

PU 空气软管 OD6, ID4

2

1

第五章 拆装指南

1-

- 1
- 2
- 3
- >200mm
- 4
- 5
- 6

2-

1		MFSC XXXX		1
2		3		1
3				4
4	QBH	6x4mm		1
5		12x8mm		1
6		10m		1
7	RS232	RS232 (), 3		1
8	usb rs 232	(UNITEK) Y-108		1

第六章 使用指南

1-

4
2

2-

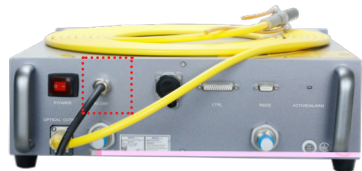
32A

1000X/1500X G5.0-G5.7



4

1000X/1500X G5.8



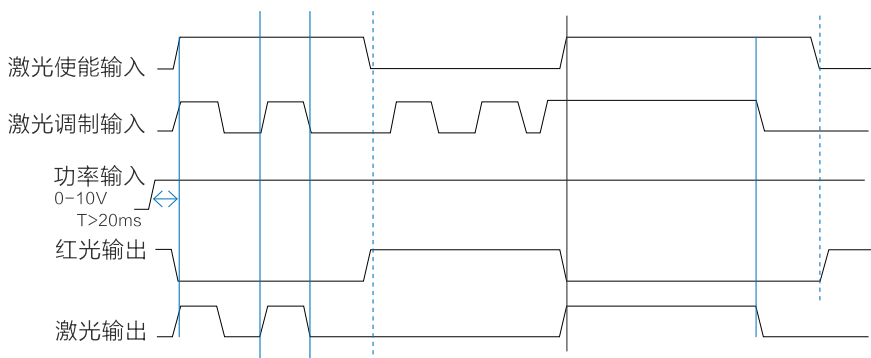
3-

CTRL

DB25

CTRL

CTRL			
18		+	HIGH:20VDC V 30VDC LOW:0VDC V 5VDC
5		-	5mA I 15mA
17		+	HIGH:20VDC V 30VDC LOW:0VDC V 5VDC
4		-	5mA I 15mA
16		+	HIGH:20VDC V 30VDC LOW:0VDC V 5VDC
3		-	5mA I 15mA
15	DA	0-10V +	1V-10% 10V-100%
2	DA	0-10V -	
14		1	ON- OFF- V 30VDC, I 100mA
1		2	
19		+	±
6		-	±



4-

1.

1

2

3

>99.5%

4

5

6

99.5%

2.

1

" OFF "

2

3

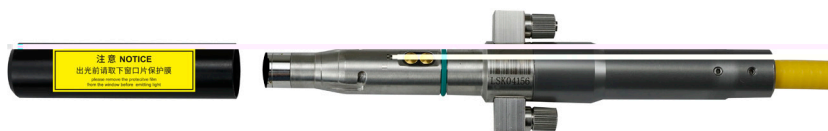
20

4

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6

7

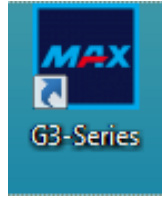


5-

- 1
- 2
- 3
- 4

3

" G3-Series"



4

RS232

EtherNet

PC

5

" G3-Series"



6

RS232

COM

COM

COM

" "

7

EtherNet

IP2

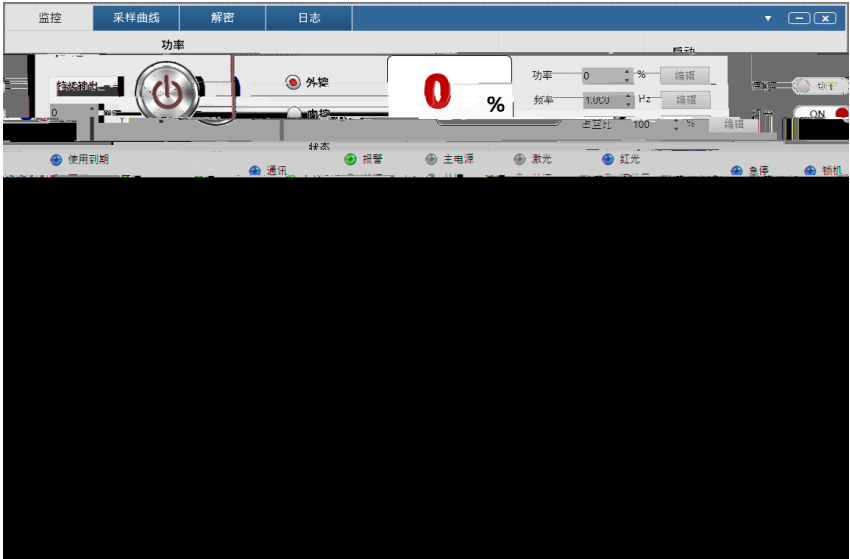
IP1\IP2

IP

IP

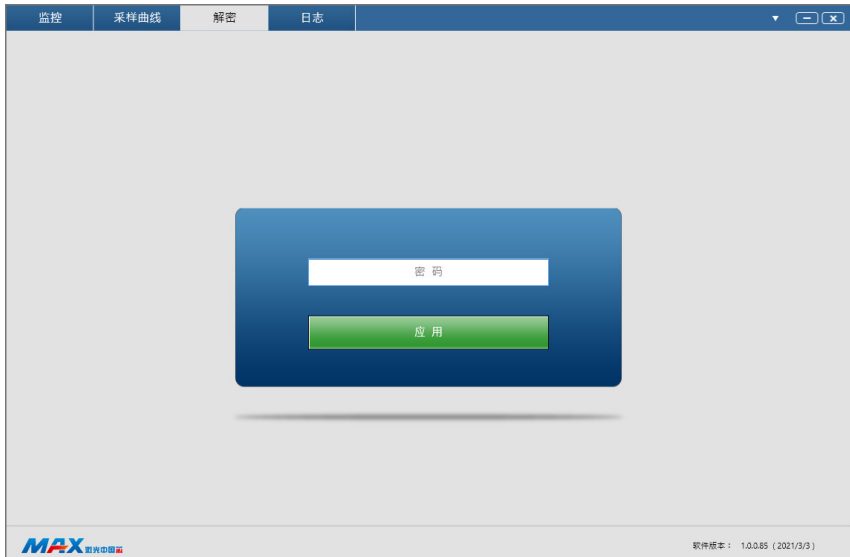
192.168.0.178

" "



1000X/1500X G5.8

8



8-

1			
2			
3			
4			
5	QBH	QBH	QBH QBH QBH
6			ALARM ACTIVE

第七章 服务与维修

1-

2-

400-900-9588

第八章 保修声明

1-

2-

1
2
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4
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6