



User's Guide to the VLS-8 Mini Visual Laser Source



www.grandway.com.cn

Features

- Ergonomic design, rugged, portable and stable performance
- 2.5mm universal interface can be applied to almost any type of adaptor
- High laser power detecting range up to 15km
- Integrated with continuous wave and 2Hz modulated wave launching mode
- Interchangeable ceramic ferrule

2

Product: Visual Laser Source

Type: VLS-8 series

Manufacturer: Grandway

Origin: shanghai China

Application: Maintenance and test of telecommunication line, cable manufacturer, test of FTTx

Description

F2H VLS-8 series mini visual laser source is the latest product of Grandway. This visual laser source has ergonomic design, small in size, easy to operate portable and integrated with a launching indicator.

Visual laser is usually used to inspect the damaged or broken point of an optical fiber, cable, patchcord, etc. If the inspected fiber has a defect, the user could find the visual laser at the broken or damaged point.

Grandway VLS-8 series visual laser is suitable for both single mode and multiple mode fibers. The performance of the visual source will act a little different with different fiber coat and color.



1

WWW.GRANDWAY.COM.CN

Specification

Model	VLS-8-1	VLS-8-10	VLS-8-15	VLS-8-30
Laser Level ^①	CLASS IIIA	CLASS IIIB	CLASS IIIB	CLASS IIIB
Output Power ^②	≥1mW	≥10mW	≥15mW	≥30mW
Detecting Range ^③	About 5km	About 12km	About 14km	About 15km
Working Hours of CW mode ^④	About 13hours	About 6hours	About 5hours	About 3hours
Working Hours of 2Hz mode ^④	About 23hours	About 12hours	About 10hours	About 6hours
Laser Type	LD			
Connector	Un / FC(optional)			
Wavelength	650nm			
Modulation Frequency	CW / 2Hz			
Power Supply	2*AAA batteries			
Working Temperature	0℃~+40℃; <90%RH			
Storage Temperature	-20℃~+70℃; <90%RH			
Accessories	2*AAA batteries, manual, carrying case			
Dimension/Weight	L120mm*W33mm*H30mm / About 67.8g			

NOTE: ① It is strictly prohibited to direct the human eye and please take precautions to avoid static electricity releasing.

② The output power is figured out by multiple mode optical fiber at 23℃±3℃.

③ Detecting range will be different with different fibers.

④ Working hours is figured out by 2*AAA batteries at 23℃±3℃, it will be a little different by using different AAA batteries.

3

WWW.GRANDWAY.COM.CN

Control Panel



4

Num.	Icon	Description
1		Long press($\geq 2s$)to turn on/off the power
2		Switch between CW and 2Hz mode
3	LED	Status indicator CW/2Hz
4	Interface	2.5mm universal interface
5	Dust Cap	Resist dust for interface
6	Battery Compartments	Install with 2*AAA batteries

5



Shanghai Grandway Telecom Tech. Co., Ltd.

Add: 6F, Xin'an building No. 99 Tianzhou Road Shanghai, 200233 P.R. China
Tel: 0086-21-54451260/61/62/63
Fax: 0086-21-54451266
E-mail: overseas@grandway.com.cn
Website: www.grandway.com.cn