HLS635 / HLS650
Visual Fault Locator
Red-Light Fiber Optic Source

Overview

HLS-series Visual Fault Locator emits a continuous or blinking bright red light at the fault location, which is easily visible through the fiber's jacket, for either single mode or multimode fiber cables. Two AA batteries supply power, which allows at least 30 hours of continuous operation. HLS-series comes a universal fiber adapter, which gives you a lot of convenience to your work.

HLS-series is an ideal tool for identifying broken or bent patch cord, especially for fiber identification during ribbon or bunched optic fiber pigtail installation, in which identification work for fiber from end to end may cause very troubles or time-consuming.

➢ uous wave and 2 Hz pulsed modulation
➢ End-to-end fiber identification
➢ Mechanical fusion splice optimization
➢ 30-hour continuous operation

Main Applications

➢ Telecommunication engineering and maintenance
➢ CATV engineering and maintenance
➢ Cabling system
➢ Other optical engineering applications

General Specifications

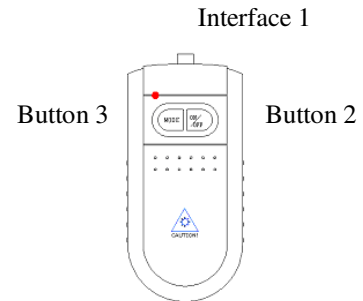| Product Model	HLS635 / HLS650
Output Power	0.5mW typ. 1mw max (or upon special request)
Operation Wavelength (nm)	635/650 ± 10nm (or upon special request)
Spectral Width @ 20°C	< 5nm
Fiber Operation Mode	SM, MM
Compatible Fiber Core Types	4/125, 9/125, 50/125, 62.5/125 or PM fiber
Modulation Type	CW, 2Hz
Connector Type	FC, SC, ST (Universal Adaptor)
Power Supply (Battery)	2 x AAA
Operating Temperature (°C)	-10 ~ +60
Storage Temperature (°C)	-25 ~ +70
Battery Operating Time (hrs)	≥ 30
Dimensions (mm)	100 x 50 x 25
Weight (g)	50

Other center wavelengths are available;
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HLS635 / HLS650
OPERATING MANUAL

Panels and Functions

Interface 1

(1) Output Interface: Connect to various fiber optical test equipments.
(2) "ON/OFF" Button: Press to turn the device on or off.
(3) "Mode" Button: Press to choose the "CW" or "HZ".

Button 3   Button 2

Operation

1. Put 5V AAA battery into the backside while the power button is off.(The indicator light is not lighting).
2. The default measurement connector type is FC. If it's SC or ST, replace the SC or ST adapter with it.
3. After the connection work is done, press the "ON/Off" key, the indicator light is on and the device is working. If you press the "Mode" key, you can choose the "CW" or "Hz".

Maintenance

1. If the Visual Fault Locator is not used for a long time, the light output port must be protected with the dustproof cap and the battery should be taken out.
2. After the Visual Fault Locator is used for a period of time, the output port maybe polluted. It results in the output power decreasing. So the connector must be cleaned with alcohol.

Trouble-shooting

Number	Problem Cause	Method
1	The output light is weak	Please replace the battery.
2	Output power is fluctuating	After warm-up for 15 minutes, then operate it.