

Instruction of NF-903 Visual Fault Locator

NF-903 Visual Fault Locator uses the DFB-LD as the emitting component. Driven by constant current source, the indicator can emit stable red laser. The product can be used to inspect fiber failure when they connect with optical interface and be inserted into single mode or multi mode optical fiber. It is indispensable tool in fiber project constructing, fiber network maintaining, optical component manufacture and research.

Technical Parameter:

Wavelength of optical source: $650\pm 10\text{nm}$

Applicable fiber type: single mode or multi mode

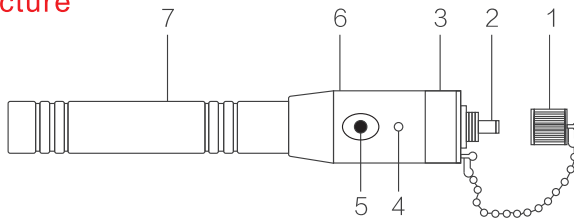
Working mode: Continuous or pulse mode

Connector: 2.5mm universal connector

Working temperature: $-20\sim +60^{\circ}\text{C}$ (not dewing)

Storage temperature: $-40\sim +85^{\circ}\text{C}$

Outer Structure



1-dust cap

2-optical interface

3-head of the indicator

4-LED

5-switch

6-body

7-tail

Usage:

1. Screw off the tail, then put batteries into the tail, (Caution: anode of batteries point to bottom of the indicator, cathode of the batteries contact cathode of the indicator).

2. Connect the body with the tail, and open dust cap, then press the switch. You will see the red laser emitting from

- the optical interface, at the same time, LED will be lighted up.
(Please don't stare at the beam, for fear of damaging your eyes).
3. Press the switch again, light-emitting changes to pulse mode, and the LED synchronizes with light-emitting (pulse frequency will be controlled at 2-3 Hz)
 4. Press the switch again, the optical source will shut, and there is normal light. Meanwhile, LED is off (switching cycle mode is: continuous-pulse-shut).
 5. Insert the fiber which you want to inspect into optical interface, then press the switch to choose working mode of the light source (continuous or pulse).
 6. When finish the working, please screw on the dust cap. If you don't use the indicator for a long time, you must take out the batteries, in case that batteries rot and destroy light source.

Maintenance and attentions:

1. Laser is harmful, so especially, you must protect your eyes. When the LD working, please do not expose eyes to laser.
2. Generally, the higher temperature, the shorter life of the LD. Avoiding high temperature when you use it.
3. The head of fiber must be cleared up while the LED operates.
4. If don't use this light source, please screw on the dust cap in case that the dust fall into.
5. Take out the batteries when you don't use it.

The 903 series

Model Number	Transmitting
NF-903-5mW	Power5mW
NF-903-10mW	Power10mW
NF-903-20mW	Power20mW