The VFL**250** Visual Fault Locator (VFL) is a visible light source that helps you trace optical fibers, check fiber continuity, and find faults such as breaks, bad splices and tight bends in fiber optic cable

Safety Information

Warning: Class 3A Laser

To avoid possible eye damage caused by hazardous radiation

- **Never look directly into the light output. Momentary exposure to the light output will not damage your eyes; however, long-term exposure is potentially hazardous.**
- **Cover the light output with the dust cap when the VFL is not in use.**
- **Do not magnify or otherwise modify the laser output. Use only approved connectors and adapters.**

Operation

To use the VFL, refer to Figure 1 and do the following:

1 Remove the VFL's dust cap: then clean the light output adapter and the connector on the fiber to be tested.
2 Plug the fiber optic connector into the VFL's light output. The VFL's universal fiber adapter accepts connectors with 2.5 mm ferrules (SC, ST, or FC)
3 Press the power switch to turn on the VFL.
4 To toggle between continuous and flashing modes, press the button. The status LED indicates the light output status.
5 Turn off the VFL before disconnecting it from the fiber. Replace the dust cap.
6 When the batteries are low (after about 40 hours of continues operation) the Status LED will turn to red when switched on, please refer to Figure 2 to replace the batteries.

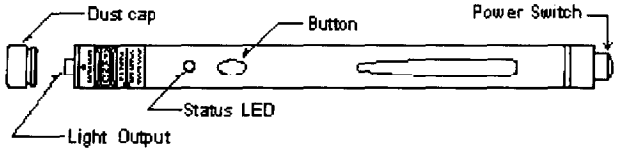

Figure 1

Warning: Never look directly into the light output.

The VFL's light may not be visible through thick or dark-colored cable sheaths or connector dust caps. If the VFL's light is dim or does not turn on (refer to item 6 in Operations), replace the batteries as shown in Figure 2.

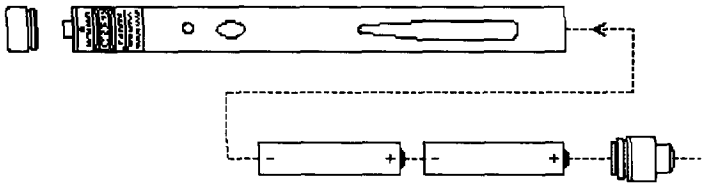

Figure 2

Specifications

Laser source: Class 3A laser diode
Laser wavelength: 650 nm (nominal)
Fiber compatibility: Multimode and singlemode
Output port: Universal adapter for connectors with **2.5** mm ferrules
Output mode: Continuous or flashing (2-3 Hz)
Output power: >0.5 mW(-3dBm) into singlemode fiber
Temperature and humidity ranges: Operating: 0 °C to 40 °C 0 to 95%RH (non-condensing)
Storage: -20 °C to +60 °C 0 to 95%RH (non-condensing)
Battery type and life: Two 1.5V AAA alkaline; 40 hours typical in continuous mode
Dimensions and weight: 170mm x Ø13.5mm, 88 g(include battery)
Low Battery Indicator: The Status LED will turn to red when batteries are low.