Visual Fault Locator (VFL)

The Siemon Visual Fault Locator (VFL) is an essential tool for testing cable continuity and locating visual faults. By emitting a laser beam of red light, the VFL quickly illuminates fiber breaks, damaged connectors, defective splices and tight fiber bends. Continuous or flashing mode identifies a fault or indicates the other end of the fiber for verifying continuity. The VFL features an integrated 2.5mm adapter for easy connection to SC, ST and FC connectors and an optional 1.25mm universal adapter for connection to LC and MU connectors.

**Features**
- Laser Class 1 (IEC 60825 2011), 0.5mW output power, 650nm range wavelength
- Pulsed and CW (continuous steady) operation modes
- Compatible with 2.5mm and 1.25mm connector ferrules
- Contact Style VFL
- 2 x AAA Batteries
- 40 hours of operation

**Optical Communication Test Applications**
- Fiber identification
- Fiber continuity testing
- Connection polarity testing
- Precise optical fault location
- Cable route location

**Durability**
- Metal with rubber protective guard

**Compact** – Hand held pen-style design

**Durable construction** – Metal with rubber protective guard

**Pen-Style retaining clip**

**Recessed Function Button**

**2.5mm Universal Connector Adapter** – Ceramic alignment for SC, ST, FC sleeve ensures optimum core-to-core alignment

**Dust Cap** – Tethered semi-translucent dust cap enables the user to see if the laser is turned on

**1.25mm Universal Connector Adapter** – VFL with the optional 1.25mm universal connector adapter allows use with LC and MU connectors

**Handheld Pen Design** – Small and ergonomically designed for fast and easy testing of connectors

[Image: Visual Fault Locator (VFL) with features and benefits described]
## Ordering Information

<table>
<thead>
<tr>
<th>Parameters</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wavelength</td>
<td>650 ±5nm</td>
</tr>
<tr>
<td>Power output</td>
<td>0.5mW</td>
</tr>
<tr>
<td>Operation mode</td>
<td>CW (Continuous steady) &amp; Pulsed (2-3 Hz)</td>
</tr>
<tr>
<td>Distance</td>
<td>&lt; 5 km (16404 ft)</td>
</tr>
<tr>
<td>Connector</td>
<td>2.5mm (1.25mm adapter is available)</td>
</tr>
<tr>
<td>Retention force for ferrule</td>
<td>1-2 N (0.22 - 0.45 lb)</td>
</tr>
<tr>
<td>Type</td>
<td>Contact VFL</td>
</tr>
<tr>
<td>Laser protection class</td>
<td>Class 1 IEC 60825-2011</td>
</tr>
<tr>
<td>Laser products-Performance standards for light-emitting products</td>
<td>CFR 21 Part 1040.10 (USA)</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-10 to +45 °C (14 to +113°F)</td>
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<tr>
<td>Storage temperature</td>
<td>-40 to +70 °C (-40 to +158°F)</td>
</tr>
<tr>
<td>Relative humidity</td>
<td>95%</td>
</tr>
<tr>
<td>Alignment sleeves</td>
<td>Ceramic</td>
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<tr>
<td>Power</td>
<td>2 AAA alkaline batteries (included)</td>
</tr>
<tr>
<td>Battery life, pulsed</td>
<td>≥ 40 hours</td>
</tr>
<tr>
<td>Weight</td>
<td>83g including batteries</td>
</tr>
<tr>
<td>Size</td>
<td>18mm x 100mm (0.71 x 6.29 in.)</td>
</tr>
</tbody>
</table>

### Part # Description

- **FT-VFL-P-A** VFL Pen, 2.5mm universal connector adapter for SC, ST and FC
- **FT-VFL-ADPT-A** 2.5mm to 1.25mm universal connector adapter for LC and MU

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