Highly efficient pocket-size visual fault locator—the ideal complementary tool for any fiber-testing technician.

**KEY FEATURES**

- Bright red laser at 655 nm
- Pulsed and CW operation
- 40 hours of operation (typical)
- Standard AAA alkaline batteries
- Pocket-size pen-style design
- 2.5 mm universal connector
The FLS-140 is the easiest way to identify fibers from end to end and locate polished connector endfaces. Its red laser shines through most yellow-jacketed fibers to help you pinpoint breaks, bends, faulty connectors, splices and other causes of signal loss. It has a reach of up to 5 km*. The convenient FLS-140 locates faults visually by creating a bright red glow at the exact location of the fault on singlemode or multimode fibers.

**Compact Design**

With a pocket-size pen-style design, this visual fault locator can easily be carried anywhere. Thanks to its anodized aluminium casing, this long-lasting and lightweight tool is the complementary tool of choice for any fiber-testing field technician.

**Cost-Effective**

The FLS-140’s extremely high efficiency guarantees prolonged operation with two standard AAA alkaline batteries, typically providing 40 hours of uninterrupted operation.

Priced to accommodate the tightest budgets, the FLS-140 is a truly affordable way to locate faults in OTDR dead zones. Its effectiveness justifies purchasing one for just about every fiber technician.

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### GENERAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operation (Hz)</td>
<td>2 to 3</td>
</tr>
<tr>
<td>Wavelength (nm)</td>
<td>650 to 660</td>
</tr>
<tr>
<td>Emitter type</td>
<td>Laser</td>
</tr>
<tr>
<td>Power output (mW)</td>
<td>0.6</td>
</tr>
<tr>
<td>Distance range (km)</td>
<td>5</td>
</tr>
<tr>
<td>Operation mode</td>
<td>Pulsed and CW</td>
</tr>
<tr>
<td>Power supply</td>
<td>2 AAA alkaline batteries</td>
</tr>
<tr>
<td>Laser class</td>
<td>2</td>
</tr>
<tr>
<td>Battery life (h)</td>
<td>Pulsed: 40; Storage: 40</td>
</tr>
<tr>
<td>Length (mm)</td>
<td>157 (6 ⅜ in)</td>
</tr>
<tr>
<td>Maximum diameter (mm)</td>
<td>12 (ⅷ in)</td>
</tr>
<tr>
<td>Weight (g)</td>
<td>70 (2.5 oz)</td>
</tr>
<tr>
<td>Temperature (°C)</td>
<td>Operating: −10 to 45; Storage: −30 to 60</td>
</tr>
<tr>
<td></td>
<td>(14°F to 113°F; −22°F to 140°F)</td>
</tr>
</tbody>
</table>

### LASER SAFETY

Complies with 21 CFR 1040.10 except for deviations pursuant to Laser Notice No. 50, dated June 24, 2007.

### STANDARD ACCESSORIES

- Quick reference guide (including Certificate of Compliance)
- Two AAA alkaline batteries

### ORDERING INFORMATION

FLS-140

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* Typical length of continuous fiber at which end-to-end identification is possible, depending on fiber attenuation.

Visual fault location depends on ambient light conditions at test site.

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**Notes**

- Specifications are valid at 23 °C ± 3 °C.
- Only valid with 50/125 μm fiber.
- Depends on fiber attenuation.
- Typical battery life using AAA alkaline batteries: VARTA Industrial No. 4003; 1.5 V; LR03 Micro; AM4; MN2400. Battery life may fluctuate significantly, depending on specific unit’s laser current.

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**SIX WAYS TO USE A VISUAL FAULT LOCATOR**

- Detects breaks in OTDR dead zone.
- Highlights sharp bends where losses occur.
- Optimizes mechanical/fusion splices.
- Detects defective connectors.
- Ensures end-to-end fiber identification in multifiber cables.
- Detects major scratches on connector surfaces.