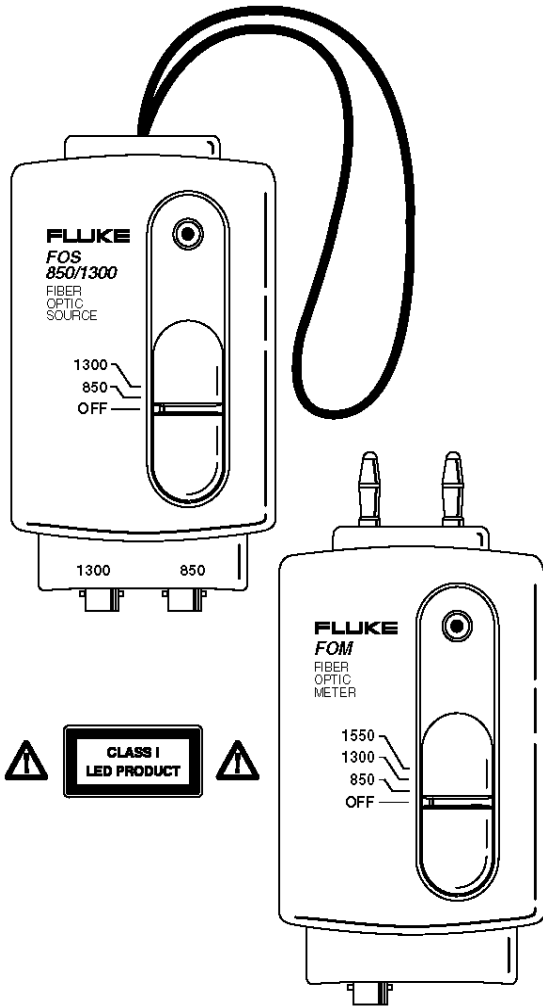


# Fiber Optic Test Equipment

Test fiber optic cable with your digital multimeter



The Fluke Fiber Optic Meter (FOM) helps you test and maintain fiber optic cable without having to buy a whole new meter. Plug the FOM directly into any DMM with a mV dc function and a 10 MΩ input impedance, such as the Fluke 87, and quickly and accurately verify fiber optic cable system loss. Light sources and patch cords sold separately.

- The small FOM plugs into your DMM and makes testing in tight spaces easy
- A variety of light sources (FOS 850, FOS 1300, and FOS 850/1300) and patch cords (ST to ST, ST to FC, ST to SC, ST to SMA) let you get just what you need for testing different cable types and lengths

- Highly accurate readings mean less work, less repeated testing
- Input connector: fixed ST
- Battery life: 16 hours minimum, 9V alkaline
- LED low battery indicator
- Operating temperature: 0°C to +40°C (32°F to +104°F)
- Storage temperature: -20°C to +70°C (-4°F to +158°F)

## Specifications

| Features               | FOM                                      |
|------------------------|--|
| Output                 | 1 mV per 1 dB                            |
| Application range      | 800-1600 nm                              |
| Acceptable fiber types | 9/125 to 100/140 μm                      |
| Operating range        | +3 to -50 dBm                            |
| Absolute accuracy      | ±0.25 dB                                 |
| Relative accuracy      | ±0.15 dB                                 |
| Repeatability          | ±0.04 dB                                 |
| Operating temp/RH      | 0°C to 40°C (32°F to 104°F) up to 75% RH |

| Features          | FOS 850  | FOS 1300                                       | FOS 850/1300                                   |
|-------------------|--|--|--|
| Wavelength        | 850 nm ±30 nm                                  | 1300 nm<br>-40/+50 nm                          | 850 nm/1300 nm<br>±30 nm/-40/+50 nm            |
| Output power      | -20 dBm  | -20 dBm  | -20 dBm  |
| Connector         | ST   | ST   | ST   |
| Stability         | ±0.2 dB per 8 hours                            | ±0.2 dB per 8 hours                            | ±0.2 dB per 8 hours                            |
| Battery type      | 9V alkaline<br>NEDA 1604A<br>or IEC 6LR61      | 9V alkaline<br>NEDA 1604A<br>or IEC 6LR61      | 9V alkaline<br>NEDA 1604A<br>or IEC 6LR61      |
| Battery life      | 24 hours typical                               | 24 hours typical                               | 24 hours typical                               |
| Operating temp/RH | 0°C to 40°C<br>(32°F to 104°F)<br>up to 75% RH | 0°C to 40°C<br>(32°F to 104°F)<br>up to 75% RH | 0°C to 40°C<br>(32°F to 104°F)<br>up to 75% RH |

### Ordering Information

**Ordering Information**  
 Fiber Optic Meter (FOM)  
 Fiber Optic Source 850 (FOS 850)  
 Fiber Optic Source 1300 (FOS 1300)  
 Fiber Optic Source 850/1300  
 (FOS 850/1300)  
 Patch Cords (FOC-ST/ST, FOC-ST/FC,  
 FOC-ST/SC, FOC-ST/SMA,  
 FOA-ST/STA - Fiber Optic Coupler  
 for FOC-ST/ST Patch Cords)

**Need Technical Assistance? Call:**  
**1-800-44-FLUKE**  
 Toll-free in the U.S.  
 (905) 890-7600 in Canada  
 (206) 356-5500 other countries