

Diagnostic Instrumentation



Power Meter & Light Source

The AFMLP 1-2 Series of Light Source and Power Meters represent the first of our completely redesigned and upgraded Optical Verifier (OV) line of test equipment. Our new Power Meter and Light Source feature more efficient circuitry to prolong battery life, new easy-to-operate keypad controls, and a completely reconfigured high-impact case. Hand Held Light Sources and Power Meters are suitable for field installation and service work as well as for laboratory use.

LIGHT SOURCE SPECIFICATIONS:

- **Optical wavelengths:**
 Single LED source850 nm or 1300 nm
 Dual LED source850/1300 nm
- **Rated Optical power with 62.5µ launch cord:**
 - 17 dBm (20.0µ W) @ 850 nmtypical
 - 17 dBm (20.0µ W) @ 1300 nmtypical
- **Spectral bandwidth:**
 LED Sources:
 45 nm @ 850 nmtypical
 170 nm @ 1300 nmtypical
- **Operating temperature range:** + 14° to + 122°F (-10° to + 50°C)

The AFOPM1-2 Power Meter is rugged, compact, and easy to use. Featuring a dynamic range of 70 dB standard and operating at the 3 most common wavelengths seen in the Fiber Optics industry today: 850, 1310, and 1550 nm. Included with the unit is a handy rubber holster and the adapter of your choice: ST, FC, SC, D4, SMA, or Biconic.

POWER METER SPECIFICATIONS:

- **Detector:** 2mm Germanium PIN Photodiode
- **Dynamic Range:** 70 dB (+5 dBm to -65 dBm - Standard model)
- **Wavelengths Settings:** 850 nm / 1310 nm / 1550
- **Operating temperature range:** + 14° to + 122°F (-10° to + 50°C)
- **Accuracy:**
 ± 0.3 dB (+5 dBm to -60 dBm)
 ± 0.6 dB (- 60 dBm to -65 dBm)

Accessories

- Rubber Holster
- Adapter (Power Meter)
- 1 - Reference Patch Cord
- 1 - Mating Sleeve

Visible Fault Identifier

ORDERING INFORMATION:

- AFMLP 1-2 = Light Source and Power Meter Kit
- AFOPM 1-2 = Power Meter
- AFVFI-1 = Visible Fault Identifier

FEATURES:

- 670 nm Visible Red Laser
- Handheld, Fully Portable
- Rugged Package for Field Use
- Low Cost
- Class II Laser Product

Used with either multimode or singlemode fiber, the VFI-1 offers many useful applications including:

1. Finding breaks nearby where OTDR's have minimal effect.
2. Fast inspection of connector and jumper ends.
3. Visually align mechanical splices for minimum loss.
4. Visually locate trouble in splice trays, patch panels, and short distance fiber runs.

The VFI-1 is a simple, easy to use, hand held Class II laser instrument designed to visually test optical fiber, cables, splices, and connectors. When a discontinuity exists, a red laser light traveling along the fiber will scatter at the break point. This scattering may then be visually inspected. Both multimode and singlemode fibers may be analyzed.