



Designed to measure both the absolute optical power and relative power loss in fiber optic cables. These power meter features the following:

- Measures a wide variety of wavelengths from 800-1650 nm, with a mere 0.01 dB resolution
- Measures 6 preset calibrated wavelengths with high precision to determine absolute or relative power
- Special function of the unit allows the device to be manually calibrated as needed
- Comes with FC and SC adapters so that fiber connectors can be directly connected to the tool
- LED screen is backlit for viewing in low light locations and a 10 minute auto-off helps preserve battery life
- Dust-proof button design and shatter-resistant sleeve protect the tool to last a lifetime
- Recommended for use with FLS-50 optical light source. (See page 2).
- **FPM-50** includes: Fiber Optic Power Meter, Instruction Manual, Protective Cover, (3) AA Batteries (required for operation), (2) Cleaning Swabs, FC Adapter, SC Adapter & Nylon Carrying Case
- **FPM-50A** includes: FPM-50 and all the components listed above as well as the **VFL-25125** (LC Adapter.)

| SPECIFICATIONS | FPM-50 | FPM-50A |
|------------------------------------|--|--|
| CONNECTOR TYPES | FC, SC | FC, SC, LC |
| CALIBRATED WAVELENGTHS (NM) | 850, 980, 1300, 1310, 1490, 1550, 1625, 1650 | 850, 980, 1300, 1310, 1490, 1550, 1625, 1650 |
| DETECTOR TYPE | InGaAs | InGaAs |
| MEASUREMENT RANGE | -50 dBm to +26 dBm | -50 dBm to +26 dBm |
| SINGLE MODE RANGE | 980, 1310, 1490, 1550, 1625, 1650 nm, $\leq \pm 0.25$ dB | 980, 1310, 1490, 1550, 1625, 1650 nm, $\leq \pm 0.25$ dB |
| MULTI MODE RANGE | 850, 1300 nm, $\leq \pm 0.8$ dB | 850, 1300 nm, $\leq \pm 0.8$ dB |
| RESOLUTION | 0.01 dB | 0.01 dB |
| OPERATING TIME | ≥ 130 hours | ≥ 130 hours |
| BATTERY TYPE | (3) AA batteries | (3) AA batteries |
| DIMENSIONS | 7" x 3.25" x 1.5" (17.78 cm x 8.26 cm x 2.54 cm) | 7" x 3.25" x 1.5" (17.78 cm x 8.26 cm x 2.54 cm) |
| WEIGHT | 1.50 lb (680 g) | 1.50 lb (680 g) |
| UPC # | 811490019089 | 811490019966 |

MADE FOR LIFE®



These optical light sources are the perfect tools for providing a stable light source for multimode or single mode fiber measurements. Features the following:

- Includes FC, SC, and LC adapters to directly connect to UPC/PC FC, SC, and LC fiber connectors
- Highly stable output power and wavelengths
- **FLS-55** Has four different modulation outputs (CW, 270 Hz, 1 kHz, 2 kHz) at 1310 nm and 1550 nm wavelengths
- **FLS-55** Has four different modulation outputs (CW, 270 Hz, 1 kHz, 2 kHz) at 850/1300 nm (multimode) and 1310/1550 nm (singlemode) wavelengths
- Flush button design makes it easy to use and prevents dust from entering the unit
- Shatter-resistant sleeve protects the light source from falls or other damage
- Backlit LCD screen provides a clear display, ideal for dark places
- **FLS-50** Includes: Fiber Optic Light Source (SM), LC Adapter, SC Adapter, (2) Cleaning Swabs, (3) AA Batteries (required for operation), & a Storage Pouch
- **FLS-55** Includes: Fiber Optic Light Source (MM/SM), FC Adapter, LC Adapter, SC Adapter, (2) Cleaning Swabs, (3) AA Batteries (required for operation), & a Storage Pouch

| SPECIFICATIONS | FLS-50 | FLS-55 |
|------------------------|--|--|
| FIBER TYPES | Singlemode | Multimode & Singlemode |
| CONNECTOR TYPES | FC, SC, LC | FC, SC, LC |
| WAVELENGTHS | 1310, 1550 | 850, 1300, 1310, 1550 |
| TYPICAL OUTPUT POWER | -7 dBm | -7 dBm |
| OUTPUT STABILITY | ± 0.05 dB / 15 min or ± 0.1 dB / 8 hr | ± 0.05 dB / 15 min or ± 0.1 dB / 8 hr |
| OPERATING TEMPERATURE | $-10 \pm 60^\circ\text{C}$ | $-10 \pm 60^\circ\text{C}$ |
| SPECTRAL WIDTH | ≤ 10 nm | ≤ 10 nm |
| MODULATION FREQUENCIES | CW / 270 Hz / 1 kHz / 2 kHz | CW / 270 Hz / 1 kHz / 2 kHz |
| POWER SUPPLY | (3) AA 1.5V alkaline batteries | (3) AA 1.5V alkaline batteries |
| STORAGE TEMPERATURE | $-25 \pm 70^\circ\text{C}$ | $-25 \pm 70^\circ\text{C}$ |
| DIMENSIONS | 7" x 3 3/16" x 1 1/4" (17.78 cm x 8.10 cm x 3.18 cm) | 7" x 3 3/16" x 1 1/4" (17.78 cm x 8.10 cm x 3.18 cm) |
| WEIGHT | 0.902 lb (0.409 kg) | 0.902 lb (0.409 kg) |
| UPC # | 811490018655 | 810053350195 |

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