



Designed to measure both the absolute optical power and relative power loss in fiber optic cables. These power meters feature 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
- 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 or FLS-55
- **FPM-50A, FPM-55 & FPM-70** include: Fiber Optic Power Meter, Instruction Manual, Protective Cover, (3) AA Batteries (required for operation), (2) Cleaning Swabs, FC Adapter, LC Adapter, SC Adapter and a Nylon Carry Case.
- **FPM-55** includes data storage

SPECIFICATIONS	FPM-50A	FPM-55	FPM-70
CONNECTOR TYPES	FC, SC (APC/PC/UPC) & LC (PC/UPC)	FC, SC (APC/PC/UPC) & LC (PC/UPC)	FC, SC (APC/PC/UPC) & LC (PC/UPC)
MEASUREMENT RANGE	-50 dBm to +26 dBm	-50 dBm to +26 dBm	-70 dBm to +6 dBm
DATA STORAGE	No	Yes	No
CALIBRATED WAVELENGTHS (nm)	850, 980, 1300, 1310, 1490, 1550, 1625, 1650	850, 980, 1300, 1310, 1490, 1550, 1625, 1650	850, 980, 1300, 1310, 1490, 1550, 1625, 1650
DETECTOR TYPE	InGaAs	InGaAs	InGaAs
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	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	850, 1300 nm, $\leq \pm 0.8$ dB
RESOLUTION	0.01 dB	0.01 dB	0.01 dB
OPERATING TIME	≥ 130 hours	≥ 130 hours	≥ 130 hours
BATTERY TYPE	(3) AA batteries	(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)	6.89" x 3.54" x 1.75" (175 mm x 90 mm x 44.5 mm)	7" x 3.25" x 1.5" (17.78 cm x 8.26 cm x 2.54 cm)
WEIGHT	1.50 lb (680 g)	0.66 lb (300 g)	1.50 lb (680 g)
UPC #	811490019966	810053350416	810053350478



Fiber Optic Light Source

Storage Pouch

FC Adapter
SC Adapter
LC Adapter

(2) Cleaning Swabs

These optical light sources are the perfect tools for providing a stable light source for multimode or single mode fiber measurements. Featuring 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
- 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
- Has four different modulation outputs (CW, 270 Hz, 1 kHz, 2 kHz)
- Both include: Fiber Optic Light Source (**FLS-50** singlemode only, **FLS-55** multimode & singlemode), LC Adapter, SC Adapter, (2) Cleaning Swabs, (3) AA Batteries (required for operation), & Storage Pouch
- **FLS-50** outputs 1310 nm and 1550 nm wavelengths (singlemode wavelengths only)
- **FLS-55** outputs 850/1300 nm (multimode) and 1310/1550 nm (singlemode) wavelengths

SPECIFICATIONS	FLS-50	FLS-55
FIBER TYPES	Singlemode	Multimode & Singlemode
CONNECTOR TYPES	FC/LC/SC (PC/UPC)	FC/LC/SC (PC/UPC)
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



Mouser Electronics

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