



# FPM-22

## Optical Power Meter

The FPM-22 series is a new generation of Laser Power Meter family, which comes with improved stability and accuracy, enhanced features and large LCD display. Its Reference Value availability makes it an ideal test set for loss performance on optical fiber. It offers accurate, wide dynamic range wavelength from -70dBm to high measurement capability up to 26dBm. It is suitable for various fiber types such as G.652 and G.657.

### Key Features

- Zero second warm-up time
- Easy-to-use interface with large display for easy visibility
- Cost efficient palm size tester designed for field and lab testing
- Automatically detect wavelength of light generated from FLS-22 series.
- Supports Reference value
- Unit displayed in nW/mW/μW/dB/dBm
- Field changeable connectors
- Auto power shut off
- Low battery warning
- Unit runs by battery and/or AC/USB charger.
- Warning if over-range and Under-range

### Standard Package

- FC, SC or ST connectors
- Rechargeable Battery
- Operating Manual
- USB Cable
- Soft carrying case
- Silicon boot and dust cap
- AC/USB Power Adapter/charger

### Related Products

FPM-10 series  
 FPM-20E series  
 FPM-20 series  
 FPM-22 series  
 FPM-22id series  
 FPM-30V

### Ordering Information

FPM-22A  
 FPM-22B

### Specifications\*

Model	FPM-22A	FPM-22B
Wavelength Range (nm)	800 ~ 1650 and 1nm increment	
Calibrated Wavelength (nm)	850/1300/1310/1490/1550/1625	
Connector	FC/UPC, SC/UPC, ST/UPC and Universal 2.5mm	
Fiber Type	9/125μm to 62.5/125μm	
Detector Type	InGaAs	
Relative Accuracy**	≤ 0.2dB @1550nm 23°C±3°C	
Absolute Accuracy	± 5% ± 1nW	± 5% ± 10nW
Resolution	0.01dB @ -60 to +10dBm 0.1dB @ -70 to -60dBm	0.01dB @ -40 to +26dBm 0.1dB @ -50 to -40dBm
Linearity	≤ ±0.1dB	
Auto Power Off	Yes	
Back-light	Yes	
Reference Value	Yes	
Display precision	0.01	
Measuring Range (dBm)	-70 ~ +10	-50 ~ +26
USB Interface	Yes	
Data Storage	1000	
Wavelength Recognition	Yes	
Tone Detection (Hz)	270, 1K and 2K	
Operating Temperature	-10 ~ +55°C	
Storage Temperature	-25 ~ +70°C	
Relative Humidity	< 95% (Non-condensing)	
Power Supply	2pcs Ni-MH AA, 6V AC/USB power adapter/charger	
Battery Life	40hrs (continuous use)	
Dimension (mm)	160L x 76W x 45H	
Net Weight	270g	

\* Time for re-calibrated: ≥ 3 years

\*\* Valid at 1550nm, CW, 23±3°C, relative humidity ≤ 70%, with an FC connector

*Note: Specifications subject to change without notice*

### Options

Part Number	Descriptions
MFA-FCLC	FC (Male) to LC (Female) Adapter
MFA-SCLC	SC (Male) to LC (Female) Adapter
MFA-STLC	ST (Male) to LC (Female) Adapter
Other types of connectors	Upon request
Hard-case	Aluminum carrying case