

Article Overview

The FPM-300 measures optical power and loss by connecting a compatible light source, matching wavelengths, and following proper fiber handling and referencing procedures.

Powering the Device

The FPM-300 can be powered using an AC adapter or AA alkaline batteries, which automatically take over if the AC adapter is unplugged. When turning off the unit, it saves the current wavelength, unit, and reference power. If batteries are removed without AC power, these values are not saved. The device also features an auto-off function that can be deactivated or reactivated while the unit is on .

Connecting and Cleaning Fibers

- o Inspect fiber ends using a fiber inspection tool to ensure they are clean and free of debris.
- o Clean the fiber connectors using a lint-free cloth with isopropyl alcohol or a dry cleaning tip. Insert the cleaning tip slowly into the EXFO Universal Interface (EUI) adapter, rotate gently, and withdraw. Repeat with a dry tip to remove any residue .
- o Install the EUI baseplate appropriate for your connector type: green border for APC connectors, standard for UPC connectors .

Referencing the Power Meter

- o Connect a compatible light source (e.g., FLS-300 or FOT-300) to the FPM-300 detector port using the proper adapter.
- o Activate the source at the desired wavelength.
- o If the source supports auto-wavelength detection, the FPM-300 will automatically match the wavelength. Otherwise, manually select the wavelength on the meter .
- o To send a reference power value from the source to the meter, hold the appropriate button on the source until the meter switches to PREF mode. This ensures accurate relative measurements .

Measuring Optical Power or Loss

- o Ensure fibers are clean and properly connected.
- o Perform offset nulling if necessary to remove electrical offsets.
- o Measure absolute power directly or calculate link loss by comparing the measured power to the reference value.
- o The FPM-300 can detect modulated signals (Auto mode) for longer battery life, or continuous wave (CW) signals for full power range measurements .

Maintenance and Handling



Using the FPM-300 Optical Power Meter

- o Handle the FPM-300 carefully; it contains sensitive optical and electronic components.
- o Store the device in its carrying case when not in use.
- o Regularly clean the EUI connectors and ferrules to maintain accurate readings. Avoid touching the soft end of cleaning tips . By following these steps, you can ensure accurate and reliable optical power measurements with the FPM-300 while maintaining the longevity of the instrument.

Browse online or download EXFO FPM-300 Power Meter User Manual 40 pages. Measuring instruments
Exfo FPM-300 Power

View and Download EXFO FPM-300 user manual online. Power Meter/Light Source/Optical Loss Test Set.

Browse online or download User Manual for Measuring instruments Exfo FPM-300 Power Meter. EXFO
FPM-300 Power Meter User

The FPM-300 Power Meter is part of EXFO's new line of handheld units, which includes the FLS-300 Light Source and the FOT-300

With a high-power option and 10 calibrated wavelengths, the FPM-300 is the most complete, yet simple

FPM300 Series Optical Power Meter is a functional and intelligent OPM series. It could be used under the

Optical Power Expert (PX1) - Connected optical power meter Power meter with Bluetooth connectivity, a wide

Ergonomic, eye-catching handheld package The FPM-300 Power Meter is part of EXFO's new line of handheld units, which includes

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If you are using a single FOT-300 with its source connected to its power meter, the power meter simply beeps when receiving the

Your source can transmit a user-defined power value to compatible power meters (such as FOT-300 and FPM-300) through the fiber.

FPM-50 Includes: Fiber Optic Power Meter, Instruction Manual, Protective Cover, (3) AA Batteries (required for operation), (2)



Using the FPM-300 Optical Power Meter

User guide o Read online or download PDF o EXFO FPM-300 Power Meter User Manual o EXFO Measuring instruments

The FLS-300 or FOT-300 units can transmit with a wavelength-identification digital encrypted protocol, enabling the FPM-300 power

Your source can transmit a user-defined power value to compatible power meters (such as FPM-300)

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