Handheld Power Meters FOT-10A and FOT-20A

Designed to withstand the rigors of field testing

Five calibrated wavelengths

Auto-off function

Compatible with singlemode and multimode fibers



Fiber-optic T&M, monitoring, manufacturing and assembly solutions





Versatility in the Field

The FOT-10A and FOT-20A Power Meters are compact, accurate, rugged and easy-to-use instruments for both power and loss testing. Like all of EXFO's handheld power meters, the FOT-10A and FOT-20A can be calibrated to a custom wavelength, free of charge.



Key Features

- Direct loss measurement in dB
- Five electronically calibrated wavelengths
- Shockproof holster also acts as storage compartment for fiberoptic adapters and replacement battery
- Auto-off function
- FOT-10A: power measurements in dBm
- FOT-20A: power measurements in dB, dBm and W

Performance

The FOT-10A and FOT-20A incorporate EXFO's linear amplification technology and are traceable to NIST. They offer five calibrated wavelengths, and perform 2 kHz signal detection for fiber identification. Unit configurations are available with germanium or high-power germanium detectors. An electrical offset nulling feature makes the FOT-10A and FOT-20A ideal for operation in extreme temperature conditions.

FOT-10A



FOT-20A

Ruggedness

The FOT-10A and FOT-20A Power Meters meet Telcordia's strict drop-test requirements. A holster is included for added durability and portability of connector and battery accessories. A complete range of EXFO fiber-optic adapters is available for connector interface. A single 9 V battery powers these units for over 14 hours.

Custom Calibration

Like all EXFO power meters, the FOT-10A and FOT-20A can be calibrated at a custom wavelength.

| Applications | Accessories |
|---|---------------------|
| Transmitter power measurements (dBm and W) | ■ Battery |
| Fiber-link loss testing (dB) | AC adapter/charger |
| Component insertion-loss testing (dB) | Rigid carrying case |
| Fiber identification with 2 kHz signals | Shockproof holster |
| IAN installation and maintenance applications | |

Specifications

| Mo | dels | FOT-12A | FOT-12AX | FOT-22A | FOT-22AX |
|-----|-------------------------------|-----------------|-----------------|-----------------|-----------------|
| Det | ector type | Ge (2 mm) | GeX (2 mm) | Ge (2 mm) | GeX (2 mm) |
| Sta | ndard calibrated | 780, 850, 1300, | 780, 850, 1300, | 780, 850, 1300, | 780, 850, 1300, |
| wa | velengths (nm) | 1310, 1550 | 1310, 1550 | 1310, 1550 | 1310, 1550 |
| Me | asurement range¹ (dBm) | 6 to -60 | 21 to -50 | 6 to -60 | 21 to -50 |
| Res | solution³ (dB) | 0.05 | 0.05 | 0.05 | 0.05 |
| Un | certainty ^{2, 3} (%) | ± 5 | ± 5 | ± 5 | ± 5 |

General Specifications

| Size (H | \times W \times D) | 22.2 cm \times 10.3 cm \times 5.9 cm | $(8 \ ^{3}/_{4} \text{ in} \times 4 \ ^{1}/_{16} \text{ in} \times 2 \ ^{1}/_{4} \text{ in})$ |
|---------|------------------------|--|---|
| Weight | | | |
| | unit | 0.56 kg | (1.25 lb) |
| | shipping | 1.8 kg | (4 lb) |
| Tempera | ature | | |
| | operating | -10 °C to 40 °C | (14 °F to 104 °F) |
| | | | |

Standard Accessories

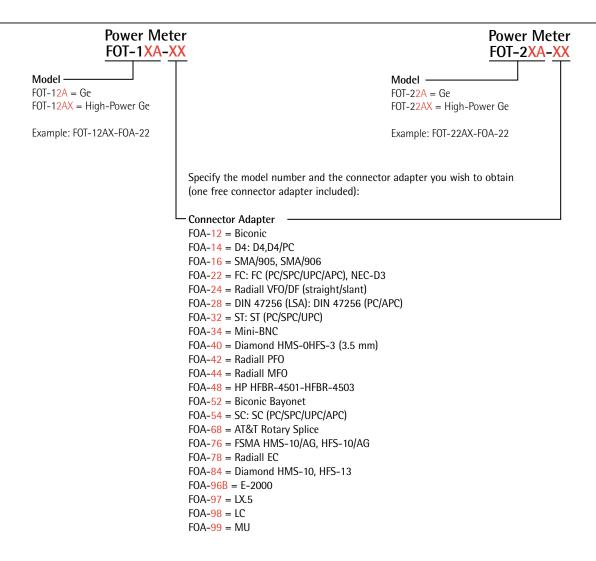
User Guide, carrying case, 9 V alkaline battery, AC adapter, connector adapter, protective holster, shoulder strap and Certificate of Calibration.

Notes

- 1. Measured at 1300 nm.
- 2. Traceable to NIST.
- Resolution and uncertainty are functions of detected power levels. Values supplied are for a -35 dBm power level.

Ordering Information

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Find out more about EXFO's extensive line of high-performance portable instruments by visiting our Web site at www.exfo.com



Rugged Handheld Solutions

- Light Source



UNIVERSAL TEST SYSTEM

Optical Fiber • OTDR

• Switch

OSA

DWDM Test Systems

Protocol • 10/100 and Gigabit Ethernet

- OLTS PMD • ORL

 - Chromatic Dispersion Analyzer Multiwavelength Meter
- SONET/SDH (DS0 to OC-192c)
- SDH/PDH (64 wKb/s to STM-64c)

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