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Find the *Exfo FOT-12* at our website: ***Click HERE***

# 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

EXFO

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# 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.



*FOT-10A*



*FOT-20A*

## Key Features

- Direct loss measurement in dB
- Five electronically calibrated wavelengths
- Shockproof holster also acts as storage compartment for fiber-optic 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.

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# 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

- Transmitter power measurements (dBm and W)
- Fiber-link loss testing (dB)
- Component insertion-loss testing (dB)
- Fiber identification with 2 kHz signals
- LAN installation and maintenance applications

## Accessories

- Battery
- AC adapter/charger
- Rigid carrying case
- Shockproof holster

## Specifications

| Models | FOT-12A | FOT-12AX | FOT-22A | FOT-22AX |
|---|---|---|---|---|
| Detector type | Ge (2 mm) | GeX (2 mm) | Ge (2 mm) | GeX (2 mm) |
| Standard calibrated wavelengths (nm) | 780, 850, 1300, 1310, 1550 | 780, 850, 1300, 1310, 1550 | 780, 850, 1300, 1310, 1550 | 780, 850, 1300, 1310, 1550 |
| Measurement range[1] (dBm) | 6 to -60 | 21 to -50 | 6 to -60 | 21 to -50 |
| Resolution[3] (dB) | 0.05 | 0.05 | 0.05 | 0.05 |
| Uncertainty[2, 3] (%) | ± 5 | ± 5 | ± 5 | ± 5 |

### General Specifications

| | | |
|---|---|---|
| Size (H × W × D) | 22.2 cm × 10.3 cm × 5.9 cm | (8 3/4 in × 4 1/16 in × 2 1/4 in) |
| Weight | | |
| unit | 0.56 kg | (1.25 lb) |
| shipping | 1.8 kg | (4 lb) |
| Temperature | | |
| 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.
3. Resolution and uncertainty are functions of detected power levels. Values supplied are for a -35 dBm power level.

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# Ordering Information

Ordering Information

## Power Meter FOT-1XA-XX

**Model**
FOT-12A = Ge
FOT-12AX = High-Power Ge

Example: FOT-12AX-FOA-22

## Power Meter FOT-2XA-XX

**Model**
FOT-22A = Ge
FOT-22AX = High-Power Ge

Example: FOT-22AX-FOA-22

Specify the model number and the connector adapter you wish to obtain (one free connector adapter included):

**Connector Adapter**
FOA-12 = Biconic
FOA-14 = D4: D4,D4/PC
FOA-16 = SMA/905, SMA/906
FOA-22 = FC: FC (PC/SPC/UPC/APC), NEC-D3
FOA-24 = Radiall VFO/DF (straight/slant)
FOA-28 = DIN 47256 (LSA): DIN 47256 (PC/APC)
FOA-32 = ST: ST (PC/SPC/UPC)
FOA-34 = Mini-BNC
FOA-40 = Diamond HMS-0HFS-3 (3.5 mm)
FOA-42 = Radiall PFO
FOA-44 = Radiall MFO
FOA-48 = HP HFBR-4501-HFBR-4503
FOA-52 = Biconic Bayonet
FOA-54 = SC: SC (PC/SPC/UPC/APC)
FOA-68 = AT&T Rotary Splice
FOA-76 = FSMA HMS-10/AG, HFS-10/AG
FOA-78 = Radiall EC
FOA-84 = Diamond HMS-10, HFS-13
FOA-96B = E-2000
FOA-97 = LX.5
FOA-98 = LC
FOA-99 = MU


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**
- OLTS
- Power Meter
- Light Source
- Talk Set



**UNIVERSAL TEST SYSTEM**

**Optical Fiber**
- OTDR
- OLTS
- ORL
- Switch

**DWDM Test Systems**
- OSA
- PMD
- Chromatic Dispersion Analyzer
- Multiwavelength Meter

**Protocol**
- 10/100 and Gigabit Ethernet
- SONET/SDH (DS0 to OC-192c)
- SDH/PDH (64 wKb/s to STM-64c)



| | | | |
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