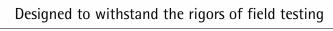


# Handheld Power Meters FOT-10A and FOT-20A



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-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
LAN installation and maintenance applications	·

## **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	780, 850, 1300,	780, 850, 1300,	780, 850, 1300,	780, 850, 1300,
wavelengths (nm)	1310, 1550	1310, 1550	1310, 1550	1310, 1550
Measurement range <sup>1</sup> (dBm)	6 to -60	21 to -50	6 to -60	21 to -50
Resolution <sup>3</sup> (dB)	0.05	0.05	0.05	0.05
Uncertainty <sup>2, 3</sup> (%)	± 5	± 5	<u>+</u> 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)	
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.
- Resolution and uncertainty are functions of detected power levels. Values supplied are for a -35 dBm power level.

**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-2000FOA-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



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Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

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