

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Visit 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

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.

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.

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)

CORPORATE HEADQUARTERS	400 Godin Avenue	Vanier (Quebec) G1M 2K2 CANADA	Tel.: 1 418 683-0211 · Fax: 1 418 683-2170
EXFO AMERICA	4275 Kellway Circle, Suite 122	Addison TX 75001 USA	Tel.: 1 800 663-3936 · Fax: 1 972 836-0164
EXFO EUROPE	Le Dynasteur, 10/12 rue Andras Beck	92366 Meudon la Forêt Cedex FRANCE	Tel.: +33.1.40.83.85.85 · Fax: +33.1.40.83.04.42
EXFO ASIA-PACIFIC	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE 169876	Tel.: +65 6333 8241 · Fax: +65 6333 8242
EXFO CHINA	Beijing New Century Hotel Office Tower, Room 1754-1755 No. 6 Southern Capital Gym Road	Beijing 100044 P. R. China	Tel.: +86 (10) 6849 2738 · Fax: +86 (10) 6849 2662
TOLL-FREE (USA and Canada)	Tel.: 1 800 663-3936	www.exfo.com • info@exfo.com	

EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation.
Units of measurement in this document conform to SI standards and practices.
Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.
For the most recent version of this spec sheet, please go to the EXFO website at **http://www.exfo.com/support/techdocs.asp**
In case of discrepancy, the Web version takes precedence over any printed literature.
All names, trademarks, products and services mentioned are registered or unregistered trademarks of their respective owners.

SPFOT10A20A.1AN

© 2003 EXFO Electro-Optical Engineering Inc. All rights reserved.

Printed in Canada 03/04

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP