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TECHNOLOGY GROUP

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so your equipment works exactly as you specify.

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

We put Fiber Optics to the test... Worldwide

EXFO
Electro-Optical Engineering

LAN, ISDN, FDDI, CATV Power Meters



FOT-10 series



FOT-20 series



FOT-30 series

FOT-10 Series

User-friendly and very competitively priced, this power meter provides many features: auto-off function, direct dBm readings, excellent linearity and temperature stability. It has been designed to withstand the most severe field abuse. Perfect for FDDI testing, it is the unit of choice for computer manufacturers.

FOT-20 Series

The FOT-20 series reads attenuation (in dB) as well as power (in dBm and Watt). Ideal for wide deployment Fiber-in-the-Loop (FITL) or for LAN installation, it remains very price competitive. Installers in ISDN and WAN environments have made it their preferred choice. It is also widely approved by Bell operating companies.

Bellcore code LQTEPA03AA.

Our state-of-the-art "Linear Technology" guarantees:
outstanding linearity
best temperature stability
largest dynamic range
long lasting calibration

▲

AC adapter[1] and 9-Volt battery

▲

Small size, very rugged

▲

Full digital technology

▲

Widely standardized

▲

FOT-30 Series

With all the features and performance of the FOT-20, the FOT-30 also incorporates a built-in LED source for simple yet accurate attenuation testing, either bidirectionally or using the loop-back method. The source of the FOT-30 offers high stability and launches a high power level signal into multimode and singlemode fibers. The FOT-30: a versatile source/meter combination in a single hand-held instrument.

FOT-31-01G: Si detector, 850 nm source
FOT-32-01G: Ge detector, 850 nm source
FOT-32-02G: Ge detector, 1300 nm source
FOT-32-03G: Ge detector, 1550 nm source

1: not available on FOT-30 series

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POWER METER SPECIFICATIONS [1]

Models:	FOT-11 FOT-21	FOT-12 FOT-22	FOT-12X FOT-22X	FOT-31-XX	FOT-32-XX
Application:	LAN, FDDI, etc	LAN, FDDI, etc	CATV	LAN, FDDI, etc	LAN, FDDI, etc
Detector type [2]:	Si, 5 mm	Ge, 2 mm	Ge, 2 mm	Si, 5 mm	Ge, 2 mm
Calibrated Wavelengths: (nm)	630, 820, 850	850, 1300, 1550	850, 1300, 1550	630, 820, 850	850, 1300, 1550
Dynamic Range: (dBm)	+6 to -60	+6 to -60	+16 to -50	+3 to -60	+3 to -55
Resolution: (dB)	0.1	0.1	0.1	0.1	0.1
Absolute Accuracy: (dB)	±0.20	±0.25	±0.25	±0.20	±0.25
Relative Accuracy: (dB)	±0.05	±0.05	±0.05	±0.05	±0.05

NOTES

1. At 23 °C ±2 unless otherwise specified.
2. Allows all fiber types up to 200/240 µm in size.
3. After a 10 minute warm-up, measured with a 62.5/125 µm fiber.
4. After a 15 minute warm-up, measured with a 62.5/125 µm fiber.
5. Typical value. Measurements are made with 62.5/125 µm fiber only.
6. AC adapter not available with FOT-30 series.

SOURCE SPECIFICATIONS [1] (FOT-30 SERIES)

Models: FOT-(31 or 32)-	01G-XX	02G-XX	03G-XX	Units
Transmission Wavelength:	850 ± 30	1300 ± 20	1550 ± 30	nm
Spectral Width (FWHM):	40	80	120	nm
Power Stability: (10 min[3]):	±0.03	±0.04	±0.08[4]	dB
(1 hour[4]):	±0.05	±0.06	±0.10	dB
Power launched in				
9/125 µm[5]:	N/A	-37 [6]	-39	dBm
50/125 µm[5]:	-19.5	-18.5	-20.5	dBm
62.5/125 µm:	-17	-16	-18	dBm
Output Connectors:				
Specify output connector (-XX)	-16: SMA-906	-22: NTT-FC	-32: AT&T-ST.	
Contact manufacturer or local agent to inquire about other connectors.				

GENERAL SPECIFICATIONS [2]

Size:		14.5 X 8 X 3.5 cm	5 3/4 X 3 1/8 X 1 3/8 in
weight:	unit:	350 g	12 oz
	shipping:	1200 g	2 3/4 lbs
Power:		AC adapter for continuous operation[6] Standard 9-Volt alkaline battery. Battery life: 40 hours. (10 hours with FOT-30 when source is on.)	
Environment:	Operating:	-10 to +50 °C	+15 to +122 °F
	Storage:	-30 to +60 °C	-22 to +140 °F
Optional Accessories Kit:		Field carrying case, AC adapter, one connector adapter, user's manual, certificate of calibration.	

EXFO, the clear choice for dependable fiberoptic test instruments.

EXFO has gained a solid reputation in the testing industry: it is one of the preferred suppliers of fiberoptic test equipment for the long haul, laboratory and short haul markets for numerous reasons.

Technology: EXFO short haul power meters are the only low cost power meters to incorporate our advanced, fully digital linear amplification technology which is normally found with laboratory grade units. When you invest in an EXFO meter, you obtain unmatched linearity, accuracy, temperature stability and the assurance of a long lasting optical calibration.

Fiber Types: EXFO power meters incorporate large area detectors; the mounting of the detector is optimized to allow measurements on a board variety of fibers: 9/125, 50/125, 62.5/125, 100/140 and even 200/240 µm.

Industry Standard: EXFO power meters have become an industry standard over the last 6 years. Computer manufacturers, installers, telephone companies, cable operators, laboratories, have adopted EXFO products as their standard fiberoptic instruments. You can depend on them.

Stock: A very broad selection of EXFO products is guaranteed to be in stock for those urgent testing contracts. Count on EXFO to be part of your solution... not part of your problem.

Accessories: A full range of accessories can also be provided by EXFO: bare fiber adapters, standard and hybrid test jumpers, etc. Ask for our documentation on Accessories and Test Kits.

Engineering Support: Our sales support engineers can provide you with technical assistance over the phone or by fax. We have also prepared several technical notes describing specific testing procedures and the basics of optical fiber testing.

Specifications subject to change without prior notice.

SPFOT102030.2AN 93/05

Quality: EXFO's Engineering and production services are controlled by a Total Quality system based on the ISO 9002 (87) international Quality System Standard.

Connector adapters: All EXFO adapters are precision machined and finished in low gloss black for unmatched repeatability (<0.03 dB) and durability. They are available for all connector types:

FOA-12: Biconic	FOA-14: NEC-D4
FOA-16: SMA-906/905	FOA-18: Deutsch 1000
FOA-22: NTT-FC/NEC-D3	FOA-24: Radiall VFO
FOA-26: Stratos	FOA-28: Diamond DIN
FOA-32: AT&T-ST	FOA-34: AT&T-BNC
FOA-42: Diamond HMS	FOA-42: Radiall PFO
FOA-44: Radiall MFO	FOA-46: Sauriau 8016
FOA-48: Hewlett-Packard HFBR 4501	FOA-52: Biconic Bayonet
FOA-54: NTT-type SC	FOA-56: FDDI
FOA-58: NTT-FC/APC	FOA-64: H-P (HFBR-4506)
FOA-66: Motorola FLCS	FOA-68: AT&T Rotary Splice
FOA-70: Super PC	

OTHER PRODUCTS AVAILABLE

Short Haul (ISDN, LAN, FDDI, WAN)
- FOS-120 LED Source
- FLS-130 LASER Source
- FLS-230 Visual Fault Locator
- FOT-50 High Performance Attenuation Meter

Long Haul (Telco, CATV, SONET)
- Power Meters
- Attenuation Test Systems
- Return Loss Test Sets
- LED/Laser Sources
- Variable Attenuators
- Talk Sets
- Live Fiber Detectors

Laboratory
- Power Meters
- LED/Laser Sources
- Variable Attenuators
- Return Loss Test Sets
- Variable Optical Reflectors

Accessories
- Test Jumpers
- Bare Fiber Adapters

We put FIBER OPTICS to the TEST ...WORLDWIDE

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Electro-Optical Engineering

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