tmg
Green is life

Test & Measurement

- sales
- rentals
- calibration
- repair
- disposal

Complimentary Reference Material

This PDF has been made available as a complimentary service for you to assist in evaluating this model for your testing requirements.

TMG offers a wide range of test equipment solutions, from renting short to long term, buying refurbished and purchasing new. Financing options, such as Financial Rental, and Leasing are also available on application.

TMG will assist if you are unsure whether this model will suit your requirements.

Call TMG if you need to organise repair and/or calibrate your unit.

If you click on the "Click-to-Call" logo below, you can all us for FREE!

TMG Corporate Website   TMG Products Website

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Level 4
Disposal

Disposal

Level 3
Repair
Repair

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Calibration

Recycled

Level 1
Acquisition
Acquisition

Purchase
Lease
Rent

Solution Centre

Product Lifecycle Management System

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NATA CERTIFIED MANAGEMENT SYSTEM AIDN

200
|||| NETWORK TESTING

COMPACT PLATFORM ||||

FTB-200

The Compact Platform
Built for the SUPERTECH

The FTB-200 is a compact, modular platform designed for multilayer and multimedium testing

- Tests physical, transport and datacom
- Accommodates two field-interchangeable modules
- Integrated hardware options such as visual fault locator (VFL), fiber inspection probe and power meter

Designed for metro/access and FTTx networks

- Lightweight construction
- Touchscreen resistant to shock, water, dust and common chemicals
- Dial and shortkeys for easy scrolling and selecting
- Meets GR-196-CORE standards
- Extended battery life of more than 8 hours, perfect for OTDR testing

Improved productivity

- 4-second power-up time with Windows CE
- Faster acquisition, processing and reporting
- Instantaneous AutoSync USB for file transfer and software upgrades
- USB A/B and RJ-45
- Compact Flash (memory, Wi-Fi and Bluetooth)

www.EXFO.com

Telecom Test and Measurement

EXFO
EXPERTISE REACHING OUT

A Compact Platform Optimized for Metro/Access and FTTx Networks

EXFO has created the first true compact platform for the supertech. Whether you are testing triple-wavelength insertion loss at the CO or testing data integrity at the core, the FTB-200 has the power, speed and modularity that you need in the field.

Optimized for all phases of the network lifecycle

- Construction/installation
- System provisioning/service activation
- Maintenance/troubleshooting

WORLD LEADER *World's most renowned OTDR Series*

Compatible with the following modules

World-renowned FTB-7000 OTDR B/C/D series

- Up to four wavelengths
- Industry's fastest acquisition times
- Shortest dead zones in the industry
- Singlemode and multimode testing

FTB-8120/8130 Transport Blazer Test modules

Available with Next-Gen SONET/SDH hardware

- FTB-8120: DS1/E1 to OC-48/STM-16 interfaces in a single module
- FTB-8130: DS1/E1 to OC-192/STM-64 interfaces in a single module
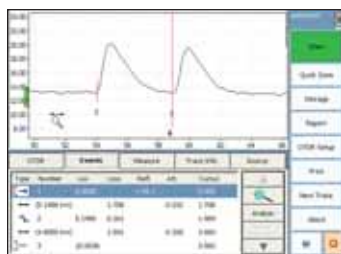
FTB-8510 Packet Blazer Ethernet Test Module

(available in Q2)

- Ethernet-based packet services testing with wire-speed full-duplex 10, 100 or 1000 Mb/s traffic-generation capabilities
- All the T&M functionalities to meet service-level agreements (SLA) with customers
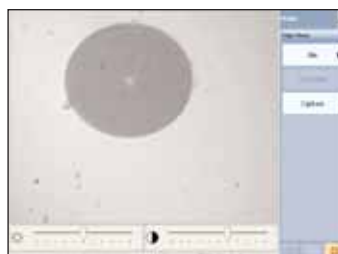
FTB-3930 MultiTest Module (OLTS)

- Fully automated bidirectional loss tests in seconds for up to three wavelengths; automatic ORL and fiber-length measurements
- Combines 8 functionalitites in a single module:
  - Loss meter
  - Power meter
  - Optical return loss (ORL) meter
  - Visual fault locator
  - Multimode and singlemode light sources
  - Digital talk set
  - Fiber-length meter

World-leading OTDRs (FTB-7000 series)

MultiTest module (OLTS) (FTB-3930 series)

Fiber inspection probe option (FIP series)

Transport Blazer (FTB-8120/8130)

SPECIFICATIONS [a]

Display	Touchscreen, color, 640 x 480 TFT 163 mm (6.4 in)
Interfaces	USB A main
	USB B remote
	RJ-45 LAN 10/100 Mb/s
	Compact Flash
	Fiber inspection probe connector port (video)
Storage	Internal 80 MB (Flash)
	USB sticks 1 GB and 2 GB (optional)
	Compact Flash cards (optional)
Batteries [b]	Rechargeable Li-Ion
	8 h of operation as per Bellcore TR-NWT-001138
Power Supply	AC/DC adapter, input 100-240 VAC, 50-60 Hz, 2 A max, output: 24 VDC, 90 W

GENERAL SPECIFICATIONS

Temperature		
Operating	–5 °C to 50 °C	(23 °F to 122 °F)
Storage [c]	–40 °C to 70 °C	(–40 °F to 158 °F)
Relative humidity	0 % to 95 % non-condensing	
Size (H x W x D)	322 mm x 197 mm x 109 mm	(12 $^{11}/_{16}$ in x 7 $^{3}/_{4}$ in x 4 $^{5}/_{16}$ in)
Weight	2.5 kg	(5.4 lb)
Vibration	< 1.5 g at 10 Hz to 500 Hz (on three main axes)	
Mechanical shock	< 760 mm on six sides and eight main edges (according to GR-196-CORE)	

ACCESSORIES

FP1	FP1 200X Fiber Inspection Probe		GP-2017	Spare FTB-200 battery
FP5	FP5 400X Fiber Inspection Probe		GP-2019	USB micro drive standard capacity
GP-10-069	Semi-rigid FTB-200 carrying case		GP-2021	Spare AC charger (requires AC external adapter/charger).
GP-302	USB mouse		(A-E-I-J-S-U)	Specify: A–North America, E–Europe, I–India, J–Japanese,
GP-308	DC car adapter/inverter			S–Australia and New-Zealand, U–United-Kingdom
GP-2001	USB keyboard		GP-2023	Spare neck strap
GP-2011	Compact Flash Ethernet WiFi card		GP-2024	Spare belt strap
GP-2012	Compact Flash Bluetooth card		GP-2025	Spare battery door
GP-2014	Compact Flash memory 1 GB card		GP-2027	Portable printer
GP-2015	Compact Flash memory 2 GB card		GP-2028	Computer security cable kit
GP-2016	10 feet RJ-45 LAN cable			

PM-200 Built-in Power Meter Specifications [d]

Calibrated wavelengths (nm)		850, 1300, 1310, 1490, 1550, 1625, 1650
Power range (dBm)		10 to –86 (InGaAs)
		26 to –64 (GeX)
Uncertainty (%) [e]		±5 % ± 3 pW (InGaAs)
		±5 % ± 0.4 nW (GeX)
Display resolution (dB)	InGaAs	0.01 = max to – 76 dBm
		0.1 = –76 dBm to –86 dBm
		1 = –86 dBm to min
	GeX	0.01 = max to –54 dBm
		0.1 = –54 dBm to –64 dBm
		1 = –64 dBm to min
Automatic offset nulling range [f]		Max power to –63 dBm for InGaAs
		Max power to –40 dBm for GeX
Tone detection (Hz)		270/1000/2000

Notes

a. All specifications valid at 23 °C (73 °F).
b. Standard recharge time is 3 h. Recharge temperature: 0 °C to 35 °C (32 °F to 95 °F).
c. Not including internal batteries. Battery maximum storage temperature: 60 °C (140 °F).
d. At 23 ºC ± 1 ºC, 1550 nm and FC connector. With modules in idle mode. Battery operated.
e. Up to 5 dBm.
f. For ±0.05 dB, from 18 ºC to 28 ºC.

Visual fault locator (VFL) (optional)

Laser, 650 nm ± 10 nm
CW
Typical P_{out} in 62.5/125 μm: 3 dBm (2 mW)

LASER SAFETY

21 CFR 1040.10 AND IEC 60825-1:1993+A2:2001
CLASS 3R WITH VFL OPTION

ORDERING INFORMATION

FTB-200-XX-XX-XX-XX-XX

Modular compact platform

Display
S1 = TFT active screen
S2 = Outdoor enhanced screen

Power Meter
00 = Without power meter
PM3 = Power meter only; InGaAs detector
VPM2X = VFL platform; power meter; high-power GeX detector
PM2X = Power meter only; high-power GeX detector
VPM3 = VFL platform; power meter; InGaAs detector

Software summary kit
00 = Without software summary kit
SK2 = IP testing

Connector adapter [b]
FOA-12 = Biconic
FOA-14 = D4, D4/PC
FOA-16 = SMA/906
FOA-22 = FC, FC (PC/SPC/UPC/APC, NEC-D3)
FOA-28 = DIN 47256 (LSA): DIN 47256 (PC/APC)
FOA-32 = ST, ST (PC/SPC/UPC)
FOA-40 = Diamond HMS-0, HFS-3 (3.5 mm)
FOA-54 = SC (PC/SPC/UPC/APC)
FOA-76 = FSMA HMS-10/AG, HFS-10/AG
FOA-78 = Radiall EC
FOA-84 = Diamond HMS-10, HFS-13
FOA-96B = E2000
FOA-98 = LC
FOA-99 = MU

VFL connector
U25 = Connector for 2.5 mm ferrules [a]

NOTES
a. With VFL only
b. With power meter option only

Example: FTB-200-S1-VPM2X-U25-FOA-22

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

Rugged Handheld Solutions

OPTICAL	COPPER ACCESS
▪ OLTSs	▪ ADSL/ADSL2+, SHDSL, VDSL test sets
▪ Power meters	▪ VoIP and IPTV test sets
▪ Light sources	▪ Ethernet test sets
▪ Talk sets	▪ POTS test sets

Platform-Based Solutions

OPTICAL FIBER	DWDM Test Systems	Transport/Datacom
▪ OTDRs	▪ OSAs	▪ SONET/DSn (DS0 to OC-192) testers
▪ OLTSs	▪ PMD analyzers	▪ SDH/PDH (64 kb/s to STM-64) testers
▪ ORL meters	▪ Chromatic dispersion analyzer	▪ T1/T3 testers
▪ Variable attenuators		▪ E1 testers
		▪ 10/100 and Gigabit Ethernet testers
		▪ Fibre Channel testers
		▪ 10 Gigabit Ethernet testers

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