FTB-200 v2 Compact Platform

THE INTELLIGENT PLATFORM BUILT FOR THE SUPERTECH

SPEC SHEET

The FTB-200 v2 delivers the best performance on the market for optical, Ethernet and SONET/SDH testing.

KEY FEATURES

Intel ATOM processor with Windows Embedded Standard for maximized productivity and unique versatility

Flexible connectivity with USB, mobile, Wi-Fi and Bluetooth capabilities

Compatible with 11 families of modules for multiple field testing applications

> CWDM network characterization at eight wavelengths

> 40G and ROADM commissioning with an optical spectrum analyzer

> Multiservice testing with a next-generation SONET/SDH analyzer

> Fiber characterization and construction with OTDR, loss, dispersion and multitest modules

> Business service activation with OTDR and Ethernet test modules

> Carrier Ethernet testing from 10 Mbit/s to 10 Gbit/s

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A PROVEN SUCCESS MADE EVEN BETTER

Since its introduction in 2006, the FTB-200 has set the standard for application-driven test solutions. It just made sense to build on this already smart platform and offer our customers the best compact platform yet: the FTB-200 v2.

With tens of thousands of platforms deployed worldwide, EXFO interacted closely with customers who use the platforms everyday to incorporate key functionalities that enhance and simplify their testing environments—including wireless and mobile connectivity, web browsing, PDF printing, screen capture and VT100 terminal emulation.

Today's multimedia networks demand flexible, efficient and cost-effective test solutions. The FTB-200 v2 offers unprecedented speed and an expanded integrated tool kit for increased autonomy and productivity in multiservice field testing.

DELIVERING UNIQUE PERFORMANCE

Providing the same compatibility as its predecessor, the FTB-200 v2 platform now leverages a powerful Intel ATOM processor to deliver unmatched speed and performance for the most demanding test applications.

OSA

IN-BAND 64 ACQUISITIONS
10x faster — FTB-200 v2
Baseline

RE-ANALYSIS
14x faster — FTB-200 v2
Baseline

TRACE LOADING
20x faster — FTB-200 v2
Baseline

SPEED

OTDR

RE-ANALYSIS
8x faster — FTB-200 v2
Baseline

REAL-TIME ACQUISITION
44 % faster — FTB-200 v2
Baseline

SPEED

T&D

AVERAGE EXECUTION
3x faster — FTB-200 v2
Baseline

RESULT PROCESSING
10x faster — FTB-200 v2
Baseline

SPEED

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THE POWER YOU NEED, NO MATTER THE APPLICATION

The FTB-200 v2 delivers the processing power of a high-end platform for a variety of advanced applications—all in a conveniently sized go-anywhere field-testing tool.

CWDM

CWDM Turn-up Testing
Integrate two metro/CWDM OTDRs to test through CWDM-based mux/demux at ITU-recommended wavelengths.

ROADM and PTN

40G and ROADM Commissioning
House an OSA into a compact portable solution for fast and accurate DWDM commissioning and high-speed networking—up to 40 Gbit/s.

Multiservice

Multiservice Testing
Simultaneously run a 10 gigabit next-generation SONET/SDH analyzer, as well as 1 gigabit and 10 gigabit Ethernet analyzers, delivering IPTV test capabilities and TCP throughput assessment.

Fiber

Fiber Characterization and Construction
Combine PMD, CD and OTDR testing in a single solution, and incorporate an OTDR with a multitest module, for in-depth link characterization.

Service Activation

Business Service Activation
Join an FTTx PON/MDU OTDR featuring a dynamic range of up to 39 dB with a 1/10 gigabit Ethernet testing module, to simplify and speed up the deployment of Ethernet services.

Carrier Ethernet

Carrier Ethernet Testing from 10 Mbit/s to 10 Gbit/s
Benefit from a comprehensive suite of Ethernet testing capabilities, including EtherSAM (ITU-T Y.156sam), for turn-up and troubleshooting of mobile backhaul, commercial and wholesale services.

EtherSAM
The new standard in Ethernet service testing

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ONE PLATFORM, OVER 30 MODULES

Optimized for all phases of the network lifecycle, the FTB-200 v2 houses any of EXFO's FTB one- or two-slot modules to meet your evolving needs. Configure your platform by combining optical, transport and datacom modules to cover a wide range of applications. Offering power, speed and modularity in a compact format, the FTB-200 v2 is the perfect tool for the field.

Optical Test Modules

Discover the industry's most renowned line of OTDRs, the most advanced dispersion analyzers and optical spectrum analyzers.

OPTICAL TEST MODULES	
OTDR	FTB-7xxx (D-E Series)
MultiTest Module	FTB-3930
Optical Spectrum Analyzers	FTB-5240S FTB-5240S-P
Single-Ended Dispersion Analyzer	FTB-5700

Transport and Datacom Test Modules

Choose from the most compact and powerful SONET/SDH, OTN, Fibre Channel and Ethernet analyzers—the new standards in next-generation network testing.

TRANSPORT AND DATACOM TEST MODULES	
DSn/PDH and SONET/SDH Electrical Test Module	FTB-8105 Transport Blazer
SONET/SDH Test Module	FTB-8115 Transport Blazer
Next-Generation SONET/SDH Test Modules	FTB-8120/8130 Transport Blazer
Multiservice Test Modules	FTB-8120NGE/8130NGE Power Blazer
Ethernet Test Modules	FTB-8510/8510B Packet Blazer
10 Gigabit Ethernet Test Module	FTB-8510G Packet Blazer
Fibre Channel and Ethernet Test Modules	FTB-8525/8535 Packet Blazer

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DESIGNED FOR EFFICIENCY

1. LED indicators
2. Switch application and keyboard
3. Knob
4. Power meter and VFL
5. Battery
6. Stylus
7. Two slots to house modules
8. USB 2.0 port
9. 1 GigE port
10. FIP port
11. Head set
12. AC adapter
13. Two extra USB 2.0 ports

ADDITIONAL FEATURES

Fully backward compatible with previous modules and their original GUIs

1 GigE and three USB 2.0 ports

Built-in Bluetooth and Wi-Fi support

Windows Remote Assistance and Remote Control features

EXFO fiber inspection probe connector interface
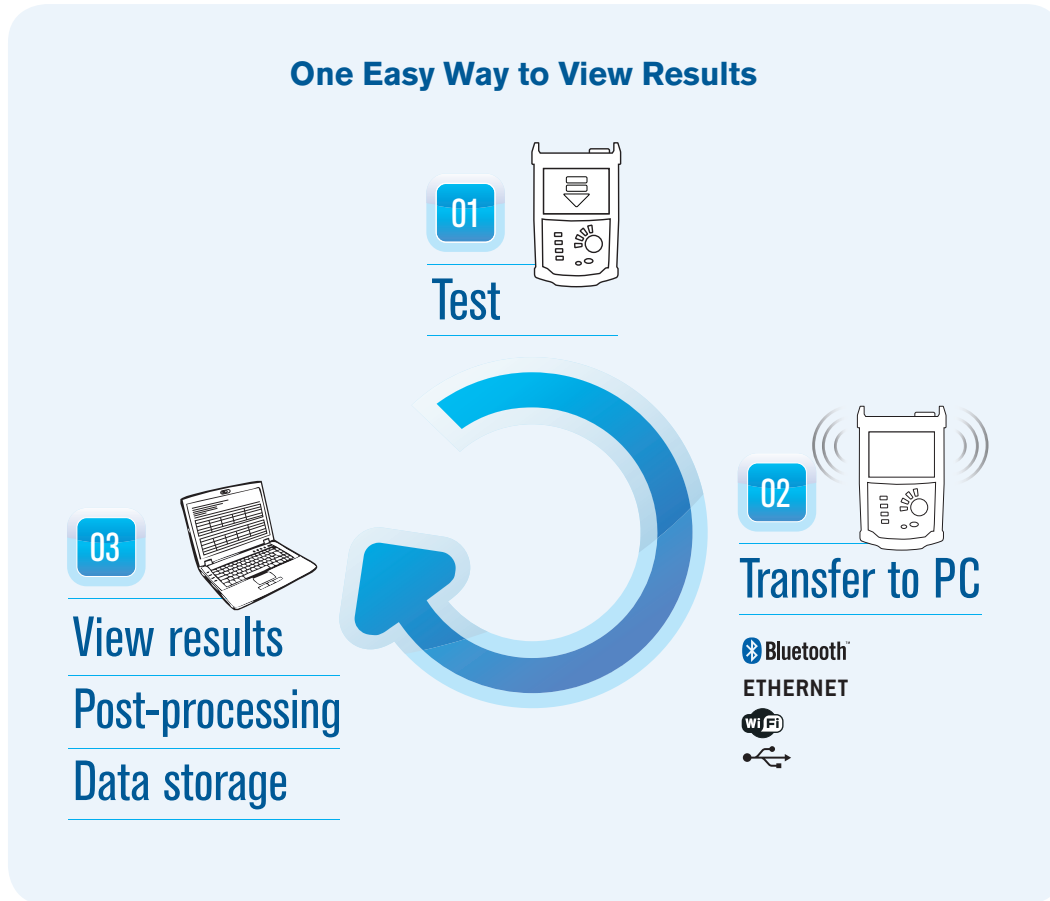
TFT outdoor-enhanced LCD 6.5 inch display

Telcordia (Bellcore)-compliant

Update Manager to stay up-to-date and manage your fleet

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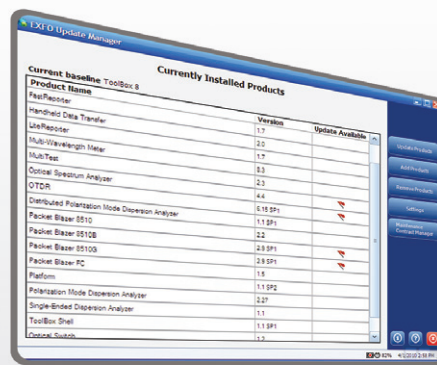# TEST, PROCESS, VIEW AND SEND: IT'S THAT EASY

Connectivity

The FTB-200 v2 integrated wireless communication capabilities allow you to send reports anytime, anywhere using mobile, Wi-Fi or Bluetooth networking connections.

One Easy Way to View Results

01 Test

02 Transfer to PC

Bluetooth™

ETHERNET

Wi-Fi

03 View results
Post-processing
Data storage

Update Manager

Stay current with the FTB-200 v2 Update Manager, which enables you to easily manage the applications developed for your test solution. Thanks to EXFO's feature enhancement program, it has never been easier to benefit from our latest innovation. Based on customer feedback, acute market trend analysis and compliance with the latest standards, EXFO is committed to ensuring that your product is at its best.

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SPECIFICATIONS [a]

Display	Touchscreen, color, 640 x 480 TFT 163 mm (6.5 in)
Interfaces	Three USB 2.0 ports RJ-45 LAN 10/100/1000 Mbit/s Fiber inspection probe connector port (video) Built-in Bluetooth and Wi-Fi (optional)
Storage	8 GB internal memory (flash) 16 GB USB stick (optional)
Battery	Rechargeable Li-Ion batteries 8 hours of operation as per Telcordia (Bellcore) GR-196
Power supply	AC/DC adapter, input 100-240 VAC, 50-60 Hz, 2 A max, output: 24 VDC, 90 W
Computer	Intel ATOM processor Windows Embedded Standard

GENERAL SPECIFICATIONS

Temperature
  operating
  storage [b]
		−5 °C to 50 °C (23 °F to 122 °F)
		−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 ¾ in x 4 $^{5}/_{16}$ in)
Weight [b]		2.1 kg (4.6 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 (compliant to GR-196-CORE)

ACCESSORIES

FP4S	400x Fiber Inspection Probe	GP-2001	USB keyboard
FP4D	200x/400x Fiber Inspection Probe	GP-2016	10 feet RJ-45 LAN cable
GP-10-070	Rigid FTB-200 carrying case	GP-2028	Computer security cable kit
GP-10-072	Semi-rigid FTB-200 carrying case	GP-2116	Single-slot storage module
GP-302	USB mouse	GP-2137	USB-to-RS-232 converter
GP-1002	Headset	GP-2138	DC car adapter/inverter
GP-1008	VFL adapter (2.5 mm to 1.25 mm)	GP-2144	USB 16G micro-drive

PM-200 BUILT-IN POWER METER SPECIFICATIONS [c]

Calibrated wavelengths (nm)	850, 1300, 1310, 1490, 1550, 1625, 1650
Optional CWDM calibrated wavelengths (nm)	1270, 1290, 1310, 1330, 1350, 1370, 1390, 1410, 1430, 1450, 1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610, 1383, 1625
Power range (dBm)	10 to −86 (InGaAs) 26 to −64 (GeX)
Uncertainty (%) [d]	±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 [e]	Max power to −63 dBm for InGaAs Max power to −40 dBm for GeX
Tone detection (Hz)	270/1000/2000

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 60825-1:2007
CLASS 3R WITH VFL OPTION

Notes

a. All specifications valid at 23 °C (73 °F).

b. Not including internal batteries. Battery maximum storage temperature: 60 °C (140 °F).

c. At 23 °C ± 1 °C, 1550 nm and FC connector. With modules in idle mode. Battery operated.

d. Up to 5 dBm.

e. For ±0.05 dB, from 18 °C to 28 °C.

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ORDERING INFORMATION

FTB-200-V2-XX-XX-XX-XX-XX-XX

Model
FTB-200-v2 = Compact modular platform

Display
S1 = TFT active screen
S2 = Outdoor-enhanced screen

Wi-Fi/Bluetooth option
00 = Without RF components
RF = With RF capability (Wi-Fi and Bluetooth)

Power meter
00 = Without power meter
VPM2X = VFL platform; PM; Detector 02X
VPM3 = VFL platform; PM; Detector 03
VPM2X-CWDM = VFL platform; PM; Detector 02X; CWDM
            wavelengths calibrated (from 1270 nm to 1610 nm)
VPM3-CWDM = VFL platform; PM; Detector 03; CWDM
            wavelengths calibrated (from 1270 nm to 1610 nm)

Software option
00 = Without software option
IPT = Ping traceroute software

Probe
00 = Without probe
FP4S = Inspection probe (400x)
FP4D = Inspection probe (200x/400x)

Connector adaptor
FOA-12 = Biconic
FOA-14 = NEC D4: PC, SPC, UPC
FOA-16 = SMA/905, SMA-906
FOA-22 = FC/PC, FC/SPC, FC/UPC, FC/APC
FOA-28 = DIN 47256, DIN 47256/APC
FOA-32 = ST: ST/PC, ST/SPC, ST/UPC
FOA-54 = SC: SC/PC, SC/SPC, SC/UPC, SC/APC)
FOA-78 = Radiall EC
FOA-96B = E-2000 E-2000/APC
FOA-98 = LC
FOA-99 = MU
WC2 = FOA-FC-ST-SC-LC

Example: FTB-200-v2-S1-RF-VPM2X-FOA-78-FP4S-IPT

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