

100G commissioning and turn-up

FTB-4 Pro with FTBx-88200NGE multiservice tester and FTB-5240S-P OSA



100G

FTB-4 Pro

Versatile portable test platform

- **Connects anywhere:** USB, WiFi, Bluetooth, mobile and virtual private network (VPN)
- **Loaded with utilities:** Equipped with all the tools required to maximize field testing and allows third-party applications
- **Like a PC:** Quad-core processor with Windows 10 operating system
- **EXFO Connect-ready:** automated asset management; data goes through the cloud and into a dynamic database

FTBx-88200NGE

Next-gen, 100G, advanced multiservice test solution with CFP4 and QSFP28 interfaces.

Transceiver validation

- Integrated CFP4 and QSFP28 interfaces for 100G
- Full-support QSFP+ for 40GE/OTU3 validation
- SFP+ to address lower rate signals for added versatility
- iOptics—intelligent pluggable optics test app to quickly validate any optical device using minimal configuration

Advanced test functionality to address multiple technologies

- OTN, Ethernet, SONET/SDH, Fibre Channel, packet sync and CPRI/OBSAI
- 100G Ethernet Through Mode

Unprecedented testing simplicity

- Minimal training for new users
- Consistent experience from lab to field
- EXFO TFv—Test Function Virtualization, OnDemand time-based licenses for ultimate flexibility

FTB-5240S-P

WDM-AWARE™
POL-MUX TECHNOLOGY

Highly accurate, easy-to-use optical spectrum analyzer (OSA) for current and CWDM and DWDM networks.

Intuitive and powerful

- First third-party 40G/100G/200G Pol-Mux OSNR option on the market
- No 1 handheld OSA (Frost & Sullivan)
- Truly portable spectral characterization of DWDM networks
- WDM-aware: automatic expert settings on per-channel basis
- One-button operation for easy setup
- Flexibility to analyze WDM, EDFA, drift, spectral transmittance, DFB and FP lasers
- ITU-T G.697 compliant

Next-gen-ready

- IEC and in-band OSNR capability
- 40G/100G and ROADM compliant
- Suitable for all channel spacings

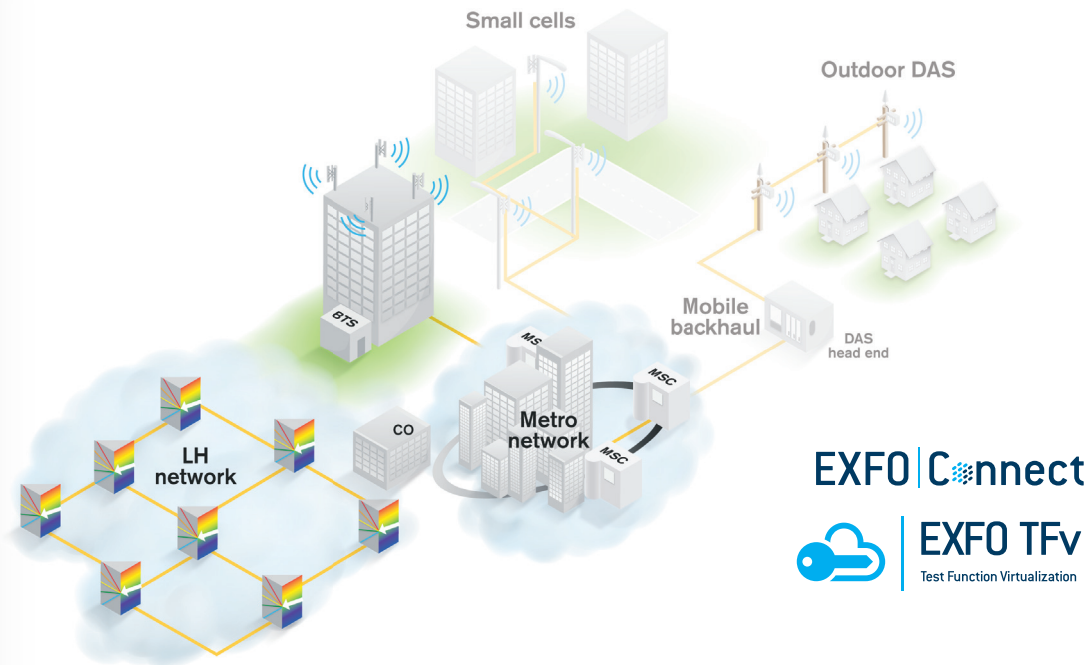
Unrivaled performance

- Highly accurate and repeatable
- High-power option, ideal for MSO and CATV
- SCPI commands for remote control

EXFO

100G technology is complex but field testing shouldn't be

FTBx-88200NGE multiservice tester with Pol-Mux OSA: 100G testing now simpler than ever



ConnectorMax2

ConnectorMax2

- Integrated fiber inspection probe
- APC/UPC interchangeable tips to adapt to any situation
- Quick, accurate and repeatable pass/fail verdicts

Battery operation and power-up and restore

- Power outage recovery during critical testing with battery operation and power-up and restore
- Over one hour of battery operation up to 100G
- Power-up and restore with no manual intervention, in addition to saved test results from both before and after the outage

OSNR

- OSNR measurements up to Pol-Mux 40G/100G/200G
- Intelligent in-band OSNR method for 40 Gbit/s and ROADMs deployments
- DP-BPSK and DP-QPSK modulation formats

OTN BERT

- BERT for qualifying OTU4 transport channels
- OTN round-trip delay measurement
- Service disruption time measurements that are configurable at all layers
- Excessive skew monitoring

Advanced troubleshooting

- Simplify your 100G network troubleshooting with immediate access to all advanced functions on the same field-portable unit, which are categorized under **Advanced Functions** in the GUI
- 100G Ethernet Through Mode, Multichannel OTN, EXFO Multilink, iOptics transceiver validation
- Full access to advanced tools, including ping, traceroute, advanced traffic filtering, Ethernet capture, intrusive Through Mode, overhead manipulation and monitoring, MDIO read/write access and more



10M-to-100G service turn-up

- Qualifies key performance indicators (KPIs) for 10M-to-100G services for full compliance with service-level agreements (SLAs)
- Accelerates Ethernet service turn-ups while making sure the job is done 100% right the first time
- Complete validation of quality-of-service (QoS) metrics for different types of services, including Ethernet, SONET/SDH and OTN

Full connectivity and remote access

- Speed up 100G deployment and Tier 1/2 support calls with full connectivity to the FTB-4 Pro platform in order to conduct remote testing, view test results and transfer test reports across the network
- Connects anywhere: USB, 3G, Wi-Fi, VPN and Bluetooth
- Remote access: VNC, Remote Desktop and TeamViewer