

Comprehensive OTN Testing for Core and Metro Networks Installation and Maintenance

MT1100A
Network Master Flex



OTN carries client signals, but current OTN field testers only support OTN testing at the OTN line rate with bulk test signals. This means that problems in the carried client signals are invisible when testing an in-service OTN system. With the newer OTN standards such as ODUflex and multistage mapping a network up to 100 Gbps require a tester capable of both implementing these new ODU levels and also testing all alarms and errors at each level. Using the Network Master Flex MT1100A, OTN lines can be tested at the client signal level with signals like Ethernet, CPRI, Fibre Channel and SDH/SONET, because the OTN mapping function is mandatory for modern OTN transponders. The MT1100A can also test OTN lines at the line rate with bulk signals. The user can identify problems at all levels in the OTN signal, solving OTN issues efficiently, reducing system downtime, and reducing operating expenses for network operators. The OTN option works seamlessly within other installed options, such as Ethernet and SDH/SONET, supporting full-depth testing of signals carried over OTN.

The all-in-one MT1100A supports all the latest communications network technologies. Selecting and installing up to two modules from a range of three module options supports all-in-one R&D, manufacturing, installation and maintenance tests of network and transport equipment operating at bit rates from 1.5 Mbps to 100 Gbps. The large, 12.1-inch color LCD touch panel with easy-to-use GUI plus remote operation of a full range of test functions over an Internet connection greatly improves test efficiency and helps cut costs.



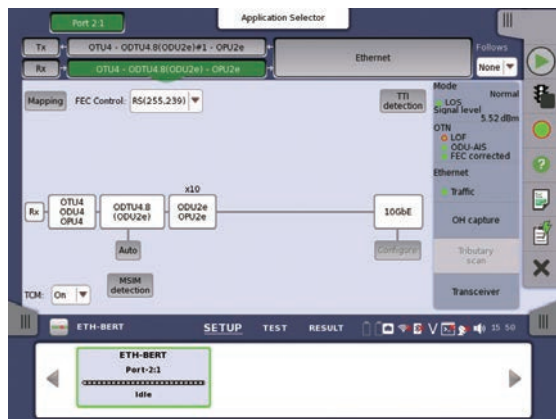
Key Platform Benefits and Features:

- All-in-one transport tester
 - Supports testing from 1.5 Mbps to 100 Gbps
 - OTN, Ethernet, CPRI/OBSAI, Fibre Channel, SDH/SONET and PDH/DSn
- OTN testing with Ethernet, CPRI, Fibre Channel, SDH/SONET client signals
- Easy and intuitive GUI
- Up to 4 ports at all rates
- Electrical interfaces of CAUI, XLAUI using optional extenders
- WLAN*/Bluetooth*/LAN connectivity
- PDF, CSV and XML report generation for documenting test results
- Remote operation using VNC or dedicated GUI operation software via Ethernet, WLAN
- Remote control (scripting, via Ethernet, WLAN, GPIB)
- Portable design for maximum portability
- Modular platform ensuring maximum return on investment

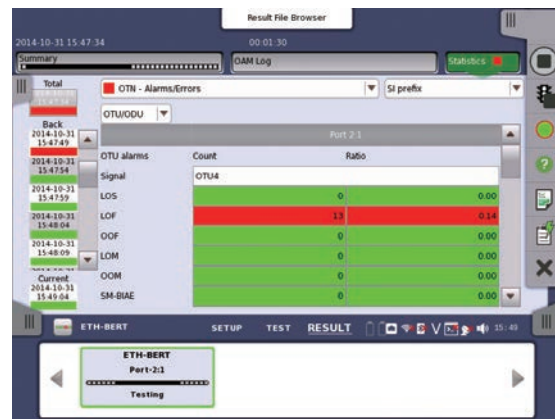
Key OTN Benefits and Features:

- Supports OTU1, OTU2, OTU1e, OTU2e, OTU1f, OTU2f, OTU3, OTU3e1, OTU3e2, OTU4
- Supports multi-stage mapping and ODUflex
- OTN tests with bulk signals at OTN level
- Comprehensive OTN error and alarm statistics
- OTN error performance measurement in accordance with G.8201 or M.2401
- ITU-T O.182-compliant FEC test
- Test of Ethernet, CPRI, Fibre Channel or SDH/SONET client signals mapped onto OTN signal
- Delay measurement
- OTN header edit and capture
- OTN TCM monitoring and generation
- Service disruption analysis using APS application
- OTN tributary scan (up to 10 Gbps)
- Full flexibility to monitor insert/overwrite client overhead and payload within OTN signal
- Event log
- Fiber end face inspection using VIP

*: Available for certified countries and regions including USA, Canada, Japan and all EU countries.



Simple and intuitive configuration of OTN mapping



Color indications give an easy overview of GO/NO-GO results

Test Modules:

- 10G Multirate Module MU110010A
Up to 2 ports: 1.5 Mbps to 10 Gbps (SFP/SFP+, RJ45, BNC, RJ48, Bantam)



- 100G Multirate Module MU110011A
Single port: 40 Gbps (CFP) or 100 Gbps (CFP)
Up to 2 ports: 10 Mbps to 40 Gbps (QSFP+, SFP/SFP+, RJ45)



- 40/100G Module MU110012A
Up to 2 ports: 40 Gbps to 100 Gbps (CXP, QSFP+)



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