

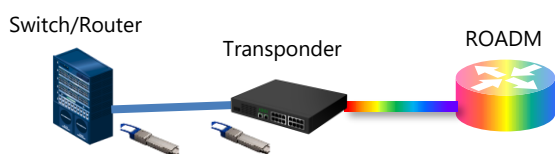
100G/400G Pluggable Coherent Test

Network Master Pro MT1000A 10G/100G Tester

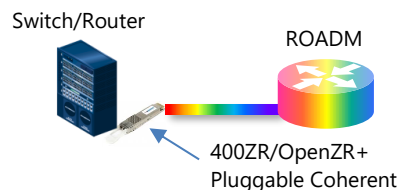
Network Master Pro MT1040A 100G/400G Tester

New Transmission Network Era

The era of conventional transponder-based transmission networks is changing as switches and routers transition to pluggable coherent transceivers with direct coherent signaling transmission technology. This technology paradigm shift not only simplifies and reduces the amount of network equipment as well as cuts costs, but it also plays a key role in introduction of Open technology to ROADM networks by allowing network operators themselves to monitor and manage the quality of live networks directly.



Transponder-based Transmission Network



Pluggable Coherent-based Transmission Network

Supports Various Pluggable Coherent Transceivers

As pluggable coherent technology becomes more popular, various standards have been established, allowing operators to choose the appropriate solution based on distance and bandwidth.

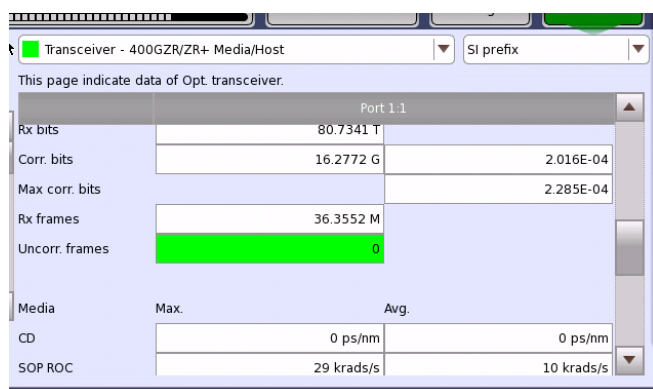
The Network Master Pro MT1000A/MT1040A supports all the standards in the table opposite to simplify operators' verification, installation, and maintenance work.

Standard	Client	Distance	Application
100ZR	100G	~100 km	Intra-Metro
400ZR	400G	~100 km	Intra-Metro
OpenZR+	400G	~300 km	Inter-Metro
	300G	~1000 km	Inter-Metro
	200G	~2000 km	Long-haul
	100G	~6000 km	Long-haul
OpenROADM	400G	~300 km	Inter-Metro Compatible w/ existing ROADM networks

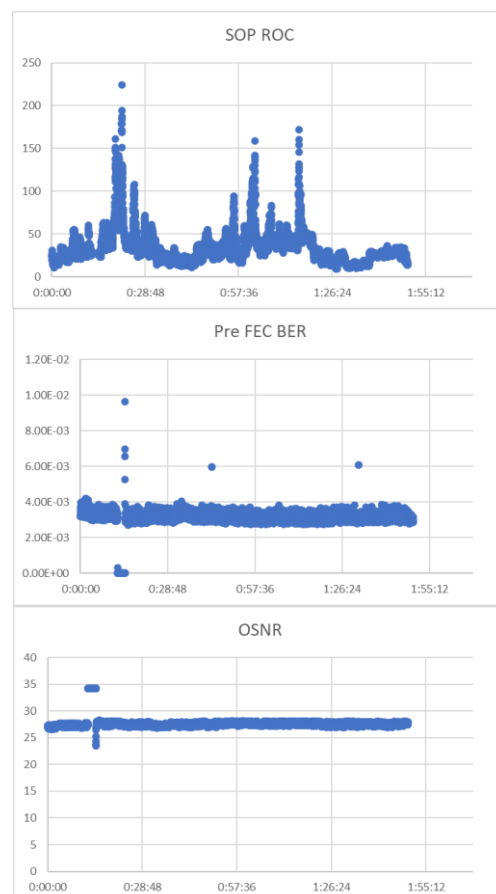
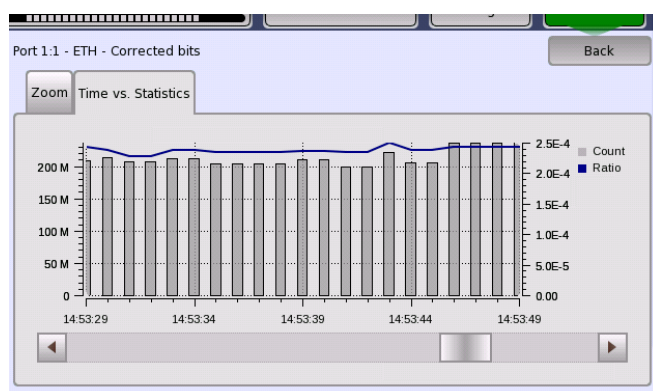
Unique History Function Monitors Live Network Changes

The condition of network transmission equipment as well as changes in the external environment affect transmission quality, which can be monitored by observing changes in parameters including OSNR, SOP, and CD. Observing both long-term changes in these parameters as well as transient phenomena is difficult using temporary monitoring. In addition, monitoring closely related parameters, such as OSNR and PreFEC BER, simultaneously helps versatile capture of phenomena.

The MT1040A saves data captured via OIF CMIS at a minimum interval of 1 second automatically. Results are confirmed both at on-screen graphs as well as by output as .csv files for later detailed analysis and comparison. This function helps network operators troubleshoot problems themselves and choose stable network routes.



CSV output



Ordering Information

Model	Name	Remarks
MU100011A-006/306 MU104011A/14B/15A-006/306	100G Pluggable Coherent	Option enabling 100ZR transceiver Requires separate 100GE or OTU4 option for client signal
MU104014B-036/336	OpenZR+ Multi-Client BERT	Option enabling 1x100G/2x100G/3x100G/4x100G clients with OpenZR+ transceiver

Requires separate main unit and test module options.