

## Submarine Cable Test Solutions

Coherent OTDR MW90010A

Network Master Pro MT1000A/MT1040A

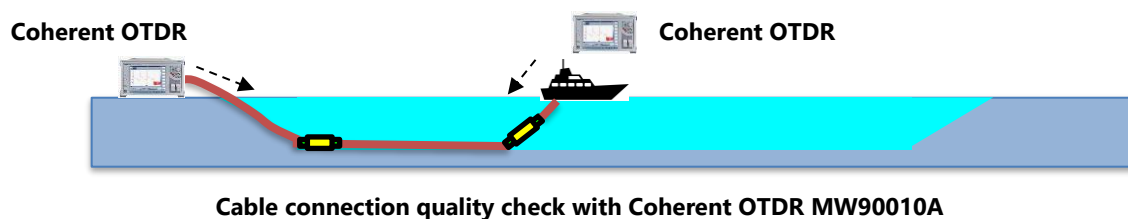
Optical Spectrum Analyzer MS9740B

Cross-border communications are expanding with construction of edge-computing sites and data centers. Securing the quality of submarine network cables, which facilitate high-capacity, high-speed and low-latency communications, is becoming more important. Submarine networks are being upgraded and many new landing stations are also being built to meet these requirements.

### Tests Solutions for Submarine-Cable I&M

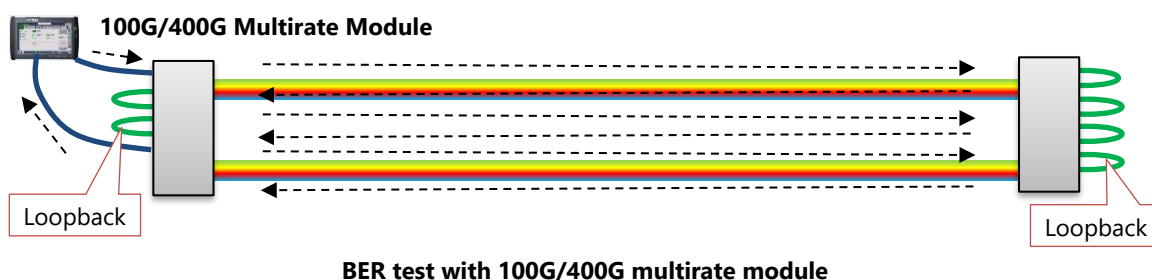
#### Submarine-cable quality test

Coherent OTDR is required to check submarine cables with EDFA. The Coherent OTDR MW90010A measures submarine-cable loss and identifies fault locations. This portable solution is ideal for both landing-site and shipboard cable and network installation and maintenance.

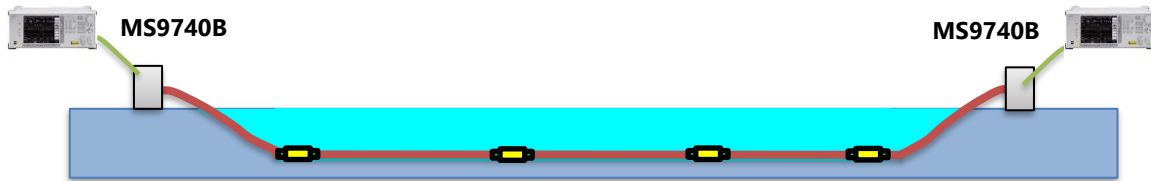


#### Transport test and DWDM signal quality verification

Communications quality is measured by transport testing and the Network Master Pro MT1000A/MT1040A supports interfaces up to 400G.



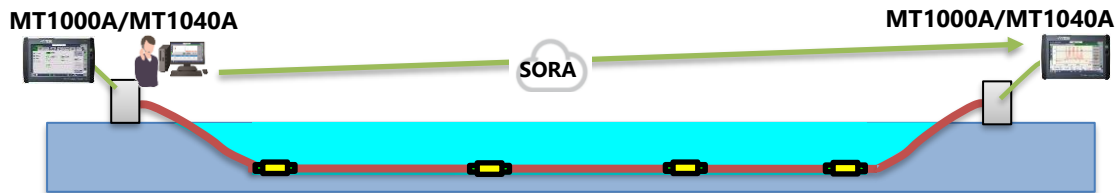
Submarine cables transmit DWDM signals requiring quality measurement at each wavelength. An optical spectrum analyzer MS9740B can measure the wavelength, power, and OSNR of WDM signals.



Wavelength, Power, OSNR test with Optical Spectrum Analyzer MS9740B

### Cloud-based remote control

The MT1000A/MT1040A supports cloud-based remote control using the Site Over Remote Access (SORA) MX109020A service, to operate testers at other landing stations to confirm entire network quality from any landing site.



Remote Control with Site Over Remote Access MX109020A

## Ordering Information

Model	Name	Note
MT1000A	Network Master Pro	100G Ethernet Tester main unit
MT1040A	Network Master Pro	400G Ethernet Tester main unit
MU100011A	100G Multirate Module	100G test module for MT1000A
MU104011A	100G Multirate Module	100G test module for MT1040A
MU104014A	400G(QSFP-DD) Multirate Module	400G test module for MT1040A
MW90010A	Coherent OTDR	
MX109020A	Site Over Remote Access	Cloud-based remote-operation SORA service for MT1000A/MT1040A
MS9740B	Optical Spectrum Analyzer	