

Quick and Easy Tests of SDH/SONET and PDH/DSn Networks

MT1000A
Network Master Pro



Legacy technologies in transport networks can't just be eliminated because of the huge capital investment, but keeping legacy technologies operational can require several testers. With its SDH/SONET and PDH/DSn test options, the Network Master Pro MT1000A is a powerful and easy-to-use tool for testing SDH/SONET up to STM-64/OC-192. PDH/DSn systems (E1, E3, E4, DS1 and DS3) can be tested directly or embedded into SDH/SONET. The MT1000A supports new and legacy technologies, leaving the user less equipment to maintain and learn, and reducing operating expenses. Adding the OTN option supports full-depth testing of legacy technologies within OTN, keeping your investment both upgradable and enhancing currently installed options.

The compact, battery-powered and easy-to-use Anritsu MT1000A with 10G Multirate Module MU100010A has everything in a single, handy tester needed to install and maintain communication networks from 1.5 Mbps to 10 Gbps. This portable, compact, lightweight instrument makes network field testing easy. Service engineers can read and interpret data from the tested network directly on the 9-inch color display with easy-to-understand indications and graphical symbols. And the GUI makes it simple to configure and operate the instrument at its full potential. The MT1000A has been designed for easy expandability, reducing initial costs, and facilitating step-by-step customized investment.



Key Platform Benefits and Features:

- All-in-one transport tester
 - Supports testing from 1.5 Mbps to 10 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
- Dual port at all rates
- WLAN*/Bluetooth*/LAN connectivity
- PDF, CSV and XML report generation for documenting test results
- Remote operation (VNC, Dedicated GUI software)
- Remote control (scripting, via Ethernet, WLAN, GPIB)
- Portable design for maximum portability
- Modular platform ensuring maximum return on investment

Key SDH/SONET and PDH/DSn Benefits and Features:

- Powerful testing of SDH (STM-64, STM-16, STM-4, STM-1), SONET (OC-192, OC-48, OC-12, OC-3, STS-3) systems and embedded PDH (E1, E3, E4) and DSn (DS1, DS3) systems
- Powerful testing of PDH (E1, E3, E4) and DSn (DS1, DS3) systems
- Simultaneous bi-directional monitoring of SDH/SONET and PDH/DSn lines
- SDH/SONET mapping and de-mapping of PDH/DSn signals
- Comprehensive error and alarm statistics
- SDH/SONET overhead byte testing and monitoring
- SDH/SONET tributary scan
- SDH/SONET pointer event generation and monitoring
- SDH/SONET and PDH/DSn delay measurements
- Analysis of service disruption with APS application

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



The SDH/SONET tributary scan gives a quick overview of the status of the monitored line



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

Product Configurations

Model/Order No.	Name
– Mainframe –	
MT1000A	Network Master Pro
– Module –	
MU100010A	10G Multirate Module
– Options –	
MU100010A-001*1	Up to 2.7G Dual Channel
MU100010A-011	Ethernet 10G Single Channel
MU100010A-012	Ethernet 10G Dual Channel
MU100010A-020	TCP Throughput
MU100010A-051	OTN 10G Single Channel
MU100010A-052	OTN 10G Dual Channel
MU100010A-061	ODU Multiplexing
MU100010A-062	ODU Flex
MU100010A-071	CPRI/OBSAI Up to 5G Dual Channel
MU100010A-072	CPRI/OBSAI 6G to 10G Single Channel
MU100010A-073	CPRI/OBSAI 6G to 10G Dual Channel
MU100010A-081	STM-64 OC-192 Single Channel
MU100010A-082	STM-64 OC-192 Dual Channel
MU100010A-002	FC 1G 2G 4G Dual Channel
MU100010A-091	FC 8G 10G Single Channel
MU100010A-092	FC 8G 10G Dual Channel
MT1000A-003*2	Connectivity for WLAN/Bluetooth

*1: Includes SDH up to STM-16, SONET up to OC-48, PDH (E1, E3, E4), DSn (DS1, DS3), OTN (OTU1) and Ethernet (1 Gbps, 100 Mbps, 10 Mbps).
 *2: Available for certified countries and regions including USA, Canada, Japan and all EU countries. Please contact Anritsu for updated information.

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Model/Order No.	Name
– Optional Accessories –	
G0311A	1G 850 nm SX SFP
G0312A	1G 1310 nm LX SFP
G0313A	1G 1550 nm ZX SFP
G0332A	100M FX 1310 nm MM SFP
G0333A	10G SR/SW 850 nm SFP+
G0356A	8G FC/10G SR 850 nm SFP+
G0329A	10G LR 1310 nm SFP+
G0315A	10G LR/LW 1310 nm SFP+
G0316A	10G ER/EW 1550 nm 40 km SFP+
G0318A	10G ZR/ZW 1550 nm 80 km SFP+
G0319A	Up to 2.7G 1310 nm 15 km SFP
G0320A	Up to 2.7G 1310 nm 40 km SFP
G0321A	Up to 2.7G 1550 nm 80 km SFP
G0328A	1G/2G/4G FC 850 nm SFP
G0322A	1G/2G/4G FC 1310 nm SFP
G0323A	1G/2G/4G FC 1550 nm SFP
G0306A	Video Inspection Probe
J1667A	GPIB-USB Converter