

ANRITSU

MP1570A/A1

The Anritsu MP1570A / MP1570A1 is a modular transport-network analyzer for development, manufacturing, installation and maintenance of SONET, SDH, PDH and ATM systems. The mainframe accepts plug-in modules to support electrical and optical interfaces from 1.5 Mb/s up to 10 Gb/s and provides protocol-level analysis, BERT, traffic generation, and a variety of advanced SONET/SDH/ATM test functions.

SPECIFICATIONS

General Description

Product Type	SONET/SDH/PDH/ATM Transport Network Analyzer (modular mainframe)
Intended Use	R&D, manufacturing, installation, maintenance and inspection of SONET/SDH/PDH/ATM chipsets, systems and networks
Typical Applications	Chipset and system R&D, manufacturing test, field installation and maintenance, compliance testing (ITU-T)

Standards and Protocol Support

SONET Standards Supported	SONET mapping and testing including concatenated OC-3c to OC-192c
SDH Standards Supported	SDH mapping and testing including concatenated STM-1c to STM-64c
PDH/DSn Support	PDH (1.5 Mb/s upward) supported in the same mainframe (1.5 Mb/s to 10 Gb/s overall range)

Supported Rates and Hierarchies

Supported Line Rates (overall)	1.5 Mb/s to 10 Gb/s (with appropriate plug-in modules)
Concatenation / High-order Mapping	Concatenated payloads generation and simulation from OC-3c/STM-1c to OC-192c/STM-64c

Interfaces and Connectors

Modular / Plug-in Architecture	Plug-in/modular card mainframe allowing flexible configuration of optical and electrical test modules
Built-in peripherals	Built-in printer (standard); 3.5-inch floppy disk drive (standard)

Traffic Generation and Emulation

Concatenated Payload Generation	Generates concatenated payloads to simulate live traffic from OC-3c/STM-1c up to OC-192c/STM-64c
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Error and Fault Insertion

Error & Alarm Generation	Various errors and alarms generation and analysis functions for SONET/SDH/PDH/ATM
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SONET/SDH Specific Measurements

APS / Protection Switching	APS switch time measurement capability
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Data Storage, Reporting and Export

Storage / Export	3.5-inch floppy disk drive for storage/export; built-in printer for hardcopy reports
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TECHNOLOGY

SONET / SDH / PDH / ATM transport-network analysis

APPLICATIONS

R&D, manufacturing, installation, maintenance and inspection of SONET/SDH/PDH/ATM chipsets, systems and networks

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