

DIGITAL TRANSMISSION ANALYZER ME3401A

For Measuring Error of DS-3, DS-2, DS-1C and DS-1 Systems



**GPIB
OPTION**

The ME3401A offers portability and easy operation and is ideal for testing, evaluating, and monitoring DS-2, DS-1C, and DS-1 system as well as the DS-3 system. This multifunctional instrument has five error detection functions (bit, parity, frame, bipolar violation, and CRC-6), seven measurement functions (error rate, error count, error seconds, % error free seconds, threshold error seconds, error performance data, and alarm seconds), jitter modulation and measurement functions, and multiplexer test functions. These functions make the ME3401A a powerful tool for commissioning, and production tests, as well as for maintaining, and troubleshooting digital radios, fiber optic systems, and digital multiplexers. In addition, live traffic performance can be measured by using a wide input range, the frame error detection function, the demultiplex function, and the built-in printer. The printer outputs the measurement results and automatically records the time, and contents when an error or alarm occurs. The receiver makes it easy to measure the error rate or error count distribution and error performance*. *: ITU-T G.821

Features

- Suitable for all systems: DS-3, DS-2, DS-1C, and DS-1
- Jitter modulation and measurement (option)
- Demultiplex function
- Various error detection and measurement functions
- Through data function

STM/SONET ANALYZER MP1560A

Supports Japanese, ITU-T and SONET Specifications



Custom-made product

GPIB

The MP1560A STM/SONET Analyzer is an error analyzer for the Network Node Interface (NNI) of the Synchronous Digital Hierarchy (SDH). The MP1560A provides many useful functions for evaluating equipment during design, manufacturing, and development and is especially suited for evaluating the transmission characteristics of the 52, 100, and 156 Mb/s interfaces used in SDH equipment.

The transmitter and receiver are housed in one frame and optical interfaces (plug-in unit) are provided. In addition to functions for setting and storing 64 frames of data in memory (option 01), a PTA controller function (option 03/04) and 28-channel (maximum) simultaneous measurement function (option 02) can be built-in.

Features

- Meets mappings for ITU-T (Europe), SONET (North America), and Japan
- Can be used to analyze a variety of signal sources: optical (1.31/1.55 μ m), unipolar, CMI, B3ZS (52 Mb/s), AMI (100 Mb/s)
- Many measurement items and functions for inserting alarms and errors
- OH byte can be set and monitored
- ADD and DROP for 1.5 Mb/s, 2 Mb/s, 64 kb/s, 192 kb/s, 576 kb/s
- Built-in floppy disk drive

PCM CODEC ANALYZER MS369B

For Measuring CODECs



GPIB

The MS369B uses new technology to measure the characteristics of PCM CODECs (Coder, Decoder). Single-channel CODECs (SCC) are already being produced by many semiconductor makers for PCM terminal equipment, digital exchanges, PBX, digital telephones, and so on. The number of SCCs in use is increasing gradually. In addition, former common-channel CODECs used time sharing among a number of channels. Measuring the characteristics of one single channel make it possible to dispense with measurement of the other common channels. For equipment using SCCs, however, the encoding and decoding characteristics for each channel must be measured. As a result, more channels must be measured which will lead to demands for improved measuring performance.

The MS369B uses DSP (Digital Signal Processing) technology to reduce measuring time and to improve measuring accuracy. It also incorporates a high-performance, special-purpose LSI developed by Anritsu. The MS369B reduces measuring time and automates measurement using GPIB, and increases production and maintenance efficiency.

Features

- Both A-law and μ -law measurement
- A-A, D-A, A-D, and D-D measurement