

ADVANTEST

D3286

The Advantest D3286 is a high-performance Error Detector designed for SDH/SONET and ATM telecom systems, operating from 150 Mb/s to 12.5 Gb/s. It features comprehensive frame synchronization, error location functions, burst data measurement, and automatic threshold/timing adjustment, making it highly effective for system evaluation, round-trip testing, and jitter analysis.

SPECIFICATIONS

General

Interfaces	GPIB, Printer port
Display	Color LCD with Graphical User Interface (GUI)

Physical

Power Supply	100 to 120 VAC / 220 to 240 VAC, 48 to 66 Hz, <= 400 VA
Operating Temperature	0 to 40 °C °C
Dimensions (W×H×D)	424 mm (W) × 221 mm (H) × 500 mm (D) mm
Weight	28 kg

Supported Bit Rates & Standards

Operating Bit Rate	150 Mb/s to 12.5 Gb/s
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Physical Interfaces & Optical/Electrical Specifications

Input Clock Frequency	150 MHz to 12.5 GHz
Monitor Outputs	Input and clock data monitor output (effective for jitter and waveform quality evaluation)

Error & Alarm Generation and Analysis

Error Location Function	Supported (locates error bits)
Error Rate Measurement Area Specification	Supported (effective for ATM cell measurement)
Automatic Voltage and Timing Adjustment	Automatic adjustment to the threshold voltage and optimum timing with any mark-ratio and WORD pattern
Error Bit Recognition	0/1 recognition for error bits

System Control, Storage & Connectivity

Built-In Storage	3.5-inch Floppy Disk Drive (FDD) for storing measurement results and setting data
Hardcopy Printer	None (external printer supported via printer port)

Options

Option 3286+70	Mixed pattern measurement function
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Pattern Generation

PRBS Patterns	2^7-1, 2^9-1, 2^11-1, 2^15-1, 2^23-1, 2^31-1
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Inputs

Data Input Amplitude	0.1 Vp-p to 2.0 Vp-p
Clock Input Amplitude	0.1 Vp-p to 2.0 Vp-p
Input Impedance	50 Ω nominal
Input Connector Type	3.5 mm (APC-3.5) female

Measurement

Measurement Modes	Single, Repeat, Untimed
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TECHNOLOGY

SONET/SDH/ATM/PDH

APPLICATIONS

Telecom and Datacom transmission equipment testing, high-speed BERT (Bit Error Rate Testing)

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.