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Data Sheet

August 14, 2026

ANRITSU

Anritsu MP1825A Digital Pre-Emphasis Processor

Anritsu MP1825A Digital Pre Emphasis Processor The Anritsu MP1825A is a digital pre-emphasis processor for high-speed serial BER test systems. OEM documentation positions it as a signal-conditioning accessory that applies programmable pre-emphasis to high-bit-rate digital patterns used with Anritsu PPG/ED platforms. High-speed serial link characterization, equalized pattern generation support, and BER test signal conditioning. Instrument Type: Digital pre emphasis processor The Anritsu MP1825A is a digital pre-emphasis processor for high-speed serial BER test systems. OEM documentation positions it as a signal-conditioning accessory that applies programmable pre-emphasis to high-bit-rate digital patterns used with Anritsu PPG/ED platforms. High-speed serial link characterization, equalized pattern generation support, and BER test signal conditioning. Instrument Type: Digital pre emphasis processor Function: Programmable pre emphasis on high speed digital patterns



MODEL

Anritsu MP1825A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MP1825A

LISTING

<https://aumictechlabs.com/products/mp1825a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Anritsu MP1825A is a 4-tap pre-emphasis converter designed for the evaluation of high-speed digital interfaces and devices. It supports data rates up to 28 Gbit/s and enables detailed analysis of signal impairments by allowing easy adjustments to pre-emphasis waveform amplitude, offset, and individual tap amplitudes. The compact remote head design minimizes

cable loss and inter-symbol interference (ISI), making it a crucial component for accurate signal integrity testing. It can be integrated as a front-end module with any Anritsu Pulse Pattern Generator (PPG). The MP1825A is jitter-transparent, which is essential for jitter tolerance testing, and it can also compensate for or inject ISI and distorted signal waveforms (DDPWS). Technical Specifications * Data Rate Support: Up to 28 Gbit/s Emphasis Type: 4-tap pre-emphasis Key Features: * Jitter transparent for jitter tolerance testing * Compact remote head to minimize cable loss and ISI * Can be used as a front head with any Pulse Pattern Generator * Enables compensation or injection of ISI and DDPWS * Supports easy adjustments to pre-emphasis waveform amplitude, offset, and amplitude of each tap Compatibility The Anritsu MP1825A can work with Anritsu Pulse Pattern Generators as a front-end module. It is often used in conjunction with Anritsu's Signal Quality Analyzer MP1800A series for comprehensive signal integrity analysis. Applications The Anritsu MP1825A is utilized for: * Evaluating the performance of high-speed digital interfaces and devices. Signal integrity analysis of high-speed interconnects. Jitter tolerance testing. Compensating for or injecting Inter-Symbol Interference (ISI) and Data Dependent அவற்றில் Waveform Shaping (DDPWS). Testing applications such as 100 GbE, OTU-4, 32G DP-QPSK, CEI-28G, 32G FC, and Infiniband EDR. Why Choose Aumictech for Anritsu MP1825A? At Aumictech, we specialize in supplying high-end signal integrity test equipment. Whether you need precise signal emulation for pre-emphasis analysis, solid jitter tolerance testing, or comprehensive signal impairment compensation, our team ensures the Anritsu MP1825A delivers maximum performance for your application.

MP1825A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Digital pre emphasis processor
Function	Programmable pre emphasis on high speed digital patterns
Bit Rate Support Class	Multi Gb/s class per MP1825A datasheet
Emphasis Control Class	Programmable tap coefficients class
Input Output Class	High speed differentialIOclass
Form Factor	Benchtop processor chassis
Remote Interface Class	GPIB class
Series Family	Anritsu MP1825A
Applications Class	High speed serial BER signal conditioning
Primary Power	AC mains laboratory supply class
Cooling	Fan cooled class
Connector Class	High speed coaxial or differential connectors class
Operating Temperature Class	Standard lab
Weight Class	Benchtop instrument weight
Automation	Remote command control class
Integration	Works with Anritsu PPG ED platforms class
Jitter Interaction Class	Emphasis affects effective jitter budget class
Channel Count Class	Single or multi channel class per config
Calibration	Factory calibrated emphasis response class
Display	Status indicators class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class
Operating temperature	Class: Standard lab
Humidity	Class: Up to 80 percent noncondensing class

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	Class: Standard lab
Operating Temperature	Class: Standard lab
Humidity	Class: Up to 80 percent noncondensing class
Operating Temperature Class	Standard lab
Weight Class	Benchtop instrument weight
Automation	Remote command control class
Integration	Works with Anritsu PPG ED platforms class
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Calibration	Factory calibrated emphasis response class
Display	Status indicators class
Warmup Time Class	15 minutes typical class
Relative Humidity Class	Up to 80 percent noncondensing class Notes From Anritsu MP1825A OEM product documentation. Confirm exact maximum bit rate, tap count, and connector type on the unit datasheet revision.

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.