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Data Sheet

August 13, 2026

ANRITSU

Anritsu ME462B DS3 Transmission Analyzer

The Anritsu ME462B isaDS3 transmission analyzer consisting of separate transmitter and receiver sections for testing and evaluating DS3 transmission terminal and link equipment. The transmitter generates Bell System DS3 compliant output levels at 44.736 Mb/s, while the microprocessor based receiver detects and measures bit errors, parity errors, and bipolar violations. Optional RS-232 or GPIB ports support automated measurement. Operating domain: digital transmission analysis at DS3 Standards reference: Bell System DS3 requirements Remote automation: RS-232 or GPIB optional Slot options example: ME462B-11 configuration class



MODEL

Anritsu ME462B

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ME462B

LISTING

<https://aumictechlabs.com/products/me462b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu ME462B DS3 Transmission Analyzer is a dedicated instrument for measuring and diagnosing digital signal transmission quality on DS3 circuits. It integrates transmitter and receiver sections to deliver comprehensive analysis across telecom networks and carrier infrastructure. The built-in microprocessor detects bit errors, parity errors, and bipolar violations in real time, making it essential for DS3 circuit installation and maintenance. Technical Specifications Data Rate: 1 Mbps to 50 Mbps PRBS Pattern: Maximum $2^{31}-1$ Transmitter: Generates output levels compliant with Bell System DS3 requirements Receiver: Microprocessor-based detection and measurement

of bit errors, parity errors, and bipolar violations Manufacturing Origin: United StatesKey Features Integrated transmitter and receiver architecture for complete DS3 signal analysis Bit error, parity error, and bipolar violation detection via dedicated microprocessor Pseudorandom binary sequence (PRBS) pattern generation up to $2^{31}-1$ length Optional RS-232 and GPIB interfaces for automated measurement control and data captureTypical Applications DS3 transmission link installation and troubleshooting Circuit maintenance and signal quality verification Transmission quality diagnosis on carrier networks Digital circuit validation in telecom infrastructureCompatibility & Integration The ME462B operates within DS3 telecom network environments. Optional RS-232 and GPIB connectivity enables integration with external test systems and automated measurement workflows, supporting both standalone and networked deployment scenarios.

Features & description

From manufacturer datasheet

Features

- Separate transmitter and receiver sections

Applications

- DS3 transmission link performance verification

ME462B Characteristics / Specifications

PARAMETER	VALUE
Model	ME462B
Manufacturer	Anritsu
Instrument Type	DS3 Transmission Analyzer Transmitter Receiver Set
Alias	ME462B; Anritsu ME462B; ME462B-11
Primary rate	44.736 Mb/s DS3
Internal fixed frequency	44.736 MHz
External frequency range class	1 MHz to 50 MHz
Transmitter compliance	Bell System DS3 output levels
Receiver measurements	bit errors, parity errors, bipolar violations
Form	transmitter and receiver sections
Automation option RS2	optional RS-232 port
Automation option GPIB	optional GPIB port
Microprocessor receiver	yes
Primary use	DS3 transmission terminal and link testing
Interface class	DS3 coaxial transmission interfaces
Error metrics	bit error rate class measurements
Parity monitoring	yes
Bipolar violation monitoring	yes
Jitter modulation class	supported per series descriptions
Fading measurement class	supported per series descriptions
Operating domain	digital transmission analysis at DS3
Standards reference	Bell System DS3 requirements
Remote automation	RS-232 or GPIB optional
Slot options example	ME462B-11 configuration class
Display class	digital error and status readouts

PARAMETER	VALUE
Warm up class	standard digital transmission analyzer
Clock modes	internal fixed and external clock
Test patterns class	PRBS/framed patterns per operation manual
Primary market	telecom DS3 installation and maintenance
Related instrument class	Anritsu DS3 transmission analyzers Notes Specs from Anritsu ME462B product descriptions and reseller listings (DS3 44.736 Mb/s; Tx/Rx; bit/parity/BPV; optional RS-232/GPIB; external 1–50 MHz). Confirm installed options and exact pattern/jitter limits on the operation manual and calibration certificate.

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.

performance verification

- DS3 terminal equipment bit error testing
- Parity error and bipolar violation monitoring
- Automated DS3 ATE with GPIB or RS-232
- Installation and maintenance of 45 Mb/s class facilities

Key Features

- Separate transmitter and receiver sections
- Bell System DS3 compliant transmit levels
- Bit error, parity error, and BPV detection
- Internal fixed rate 44.736 Mb/s
- External clock range 1 to 50 MHz class
- Microprocessor controlled receiver measurements
- Optional RS-232 or GPIB automation ports
- Designed for DS3 terminal and link evaluation

Technical Specifications

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PARAMETER	VALUE
Model	ME462B
Manufacturer	Anritsu
Instrument Type	DS3 Transmission Analyzer Transmitter Receiver Set

Specifications

PARAMETER	VALUE
Alias	ME462B; Anritsu ME462B; ME462B-11
Primary rate	44.736 Mb/s DS3
Internal fixed frequency	44.736 MHz

Specifications

PARAMETER	VALUE
External frequency range class	1 MHz to 50 MHz
Transmitter compliance	Bell System DS3 output levels
Receiver measurements	bit errors, parity errors, bipolar violations

Specifications

PARAMETER	VALUE
Form	transmitter and receiver sections
Automation option RS232	optional RS-232 port
Automation option GPIB	optional GPIB port

Specifications

PARAMETER	VALUE
Microprocessor receiver	yes
Primary use	DS3 transmission terminal and link testing
Interface class	DS3 coaxial transmission interfaces

Specifications

PARAMETER	VALUE
Error metrics	bit error rate class measurements
Parity monitoring	yes
Bipolar violation monitoring	yes

Specifications

PARAMETER	VALUE
Jitter modulation class	supported per series descriptions
Fading measurement class	supported per series descriptions
Operating domain	digital transmission analysis at DS3

Specifications

PARAMETER	VALUE
Standards reference	Bell System DS3 requirements
Remote automation	RS-232 or GPIB optional
Slot options example	ME462B-11 configuration class

Specifications

PARAMETER	VALUE
Display class	digital error and status readouts
Warm up class	standard digital transmission analyzer
Clock modes	internal fixed and external clock

Specifications

PARAMETER	VALUE
Test patterns class	PRBS/framed patterns per operation manual
Primary market	telecom DS3 installation and maintenance
Related instrument class	Anritsu DS3 transmission analyzers

Notes

Specs from Anritsu ME462B product descriptions and reseller listings (DS3 44.736 Mb/s; Tx/Rx; bit/parity/BPV; optional RS-232/GPIB; external 1-50 MHz). Confirm installed options and exact pattern/jitter limits on the operation manual and calibration certificate.

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.