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Data Sheet

August 14, 2026

ANRITSU

Anritsu MG3740A Analog Signal Generator – Analog Signal Generator

The Anritsu MG3740A is an analog signal generator for RF stimulus applications. OEM product naming identifies it as an analog signal generator platform for general RF test. Analog RF receiver testing, LO substitution, and general purpose RF stimulus. RF stimulus for receiver and component test Modulation capable analog generator class Spectral Purity Class: analog SG phase noise performance per datasheet Protection: reverse power protection class typical Accessories: cables attenuators as needed Documentation: Anritsu MG3740A operation manual



MODEL

Anritsu MG3740A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

MG3740A

LISTING

<https://aumictechlabs.com/products/mg3740a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Anritsu MG3740A is an analog signal generator engineered to deliver high-purity RF signals across telecommunications, receiver evaluation, and component testing applications. It combines precise frequency control from 100 kHz to 2.7 GHz, 4 GHz, or 6 GHz with flexible modulation capability and excellent phase noise performance, making it suitable for characterizing analog radio receivers, communication systems, and RF components. Technical Specifications Frequency Range 1st RF Output: 100 kHz to 2.7 GHz, 4 GHz, or 6 GHz (option-dependent) 2nd RF Output

(optional): 100 kHz to 2.7 GHz, 4 GHz, or 6 GHz (option-dependent) Frequency setting resolution: 1 Hz Frequency accuracy and stability: ± 0.1 ppm or within 100 Hz during List function execution Output Power Setting range (standard): -110 dBm to +17 dBm Setting range (optional): -144 dBm to +17 dBm High power output (optional): +23 dBm CW, 400 MHz to 3 GHz Maximum with low power option: +30 dBm Level accuracy: ± 0.5 dB Level linearity: ± 0.2 dB typical Phase Noise (SSB) < -140 dBc/Hz nominal at 100 MHz, 20 kHz offset, CW < -131 dBc/Hz typical at 1 GHz, 20 kHz offset, CW Modulation Standard: AM, FM, Φ M, pulse modulation Digital modulation (optional): Narrowband signals with 2 MHz RF modulation bandwidth, 20 kHz to 8 MHz sampling rate Dual modulation sources with external input option available Performance Frequency and level switching: < 600 μ s in List/Sweep mode Key Features Dual independent RF outputs for simultaneous signal generation and interference wave testing ARB memory upgrade to 256 Msamples for 1st RF and 2nd RF outputs Baseband signal combine option eliminating need for secondary signal generator BER measurement function supporting 100 bps to 40 Mbps input bit rates IQproducer software for waveform pattern generation (license sold separately) Typical Applications Radio receiver performance characterization Amplifier intermodulation distortion measurement Mixer evaluation as RF/LO signal source Communication system component testing Compatibility & Integration Interface options include 1000BASE-T, GPIB, and USB for system integration and remote control.

MG3740A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Analog signal generator
Series Family	Anritsu MG3740A
Signal Type	analog RF generation
Application Class	RF receiver and component stimulus
Manufacturer	Anritsu
Platform Role	general purpose analog SG
Control	front panel and remote class
Output	leveled RF output class
Modulation Class	analog modulation features per configuration
Frequency Coverage	model/option dependent per OEM
Amplitude Control	calibrated level setting class
Sweep Class	frequency/amplitude sweep features per options
Reference	internal/external reference class
Remote Interface Class	GPIB/LAN class typical for series
Form Factor	bench signal generator
Use Stage	R&D manufacturing service
Calibration	OEM recommended interval
Display	frequency and level readouts
Spectral Purity Class	analog SG phase noise performance per datasheet
Switching	frequency switching per OEM
Protection	reverse power protection class typical
Accessories	cables attenuators as needed
Documentation	Anritsu MG3740A operation manual
Configuration Note	read installed options for exact numeric limits

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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Option Structure: frequency and modulation options	
Specifications	
PARAMETER	VALUE
Display	frequency and level readouts
Spectral Purity Class	analog SG phase noise performance per datasheet
Switching	frequency switching per OEM
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Configuration Note	read installed options for exact numeric limits

Notes

Identity and capability-class rows from Anritsu MG3740A product literature. Expand full frequency/amplitude/modulation numeric tables from the OEM datasheet PDF before upload; do not treat this thin option-dependent sheet as final without those tables.

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.