

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) E4400A Analog RF Signal Generator, 250 kHz to 1000 MHz

Keysight (Agilent) E4400A Analog RF Signal Generator, 250 kHz to 1000 MHz The Keysight/Agilent E4400A is an ESG-A Series analog RF signal generator covering 250 kHz to 1 GHz (1000 MHz). Provides CW, AM, FM, and phase modulation for general-purpose RF stimulus. Part of the ESG-A analog family (E4400/E4420/E4421/E4422); B-revision siblings (E4400B etc.) share the same frequency architecture. Analog-only (no digital I/Q baseband of ESG-D). Receiver testing; LO substitution; general-purpose RF signal generation to 1 GHz. The Keysight/Agilent E4400A is an ESG-A Series analog RF signal generator covering 250 kHz to 1 GHz (1000 MHz). Provides CW, AM, FM, and phase modulation for general-purpose RF stimulus. Part of the ESG-A analog family (E4400/E4420/E4421/E4422); B-revision siblings (E4400B etc.) share the same frequency architecture. Analog-only (no digital I/Q baseband of ESG-D). Receiver testing; LO substitution; general-purpose RF signal generation to 1 GHz.

No photo

MODEL

Keysight E4400A

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

E4400A

LISTING

**Off-catalog — OEM dat
asheet only**

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

Features & description

From manufacturer datasheet

Features

- Frequency: 250 kHz to 1 GHz
- ESG-A Series analog modulation (AM/FM/ΦM/pulse class)
- Step/list sweep of frequency and power
- SSB phase noise class (ESG-A published): better than about -116 dBc/Hz at 1 GHz (10 kHz offset class tables)
- GPIB control

E4400A Characteristics / Specifications

PARAMETER	VALUE
Model	E4400A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Analog RF Signal Generator
Family	ESG-A Series
Alias	E4400A; Agilent E4400A Frequency
Range	250 kHz to 1000 MHz (1 GHz)
Resolution/bands	per ESG-A band table (N-factor architecture) Modulation AM, FM, phase modulation, pulse (ESG-A analog feature set) Operational Notes E4400B is the later B-revision with the same 250 kHz–1 GHz coverage. Prefer Agilent ESG-A/ESG-D datasheet (hp_e44xx) for level accuracy and SSB PN tables. Do not confuse with ESG-D digital models (E443x).
Frequency	250 kHz to 1 GHz
SSB phase noise class (ESG-A published)	better than about –116 dBc/Hz at 1 GHz (10 kHz offset class tables)

E4400A Specifications

PARAMETER	VALUE
Applications	Receiver testing; LO substitution; general-purpose RF signal generation to 1 GHz.
Key Features	- Frequency: 250 kHz to 1 GHz
Technical Specifications	Model: E4400A

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

Specifications

PARAMETER	VALUE
Model	E4400A
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Analog RF Signal Generator
Family	ESG-A Series
Alias	E4400A; Agilent E4400A

Frequency

Range: 250 kHz to 1000 MHz (1 GHz)

Resolution/bands: per ESG-A band table (N-factor architecture)

Modulation

AM, FM, phase modulation, pulse (ESG-A analog feature set)

Operational Notes

E4400B is the later B-revision with the same 250 kHz–1 GHz coverage. Prefer Agilent ESG-A/ESG-D datasheet (hp_e44xx) for level accuracy and SSB PN tables. Do not confuse with ESG-D digital models (E443x).

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: N/A — off-catalog OEM datasheet. See OEM documentation · Not listed on Aumictech inventory.

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

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 5, 2026

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