

**Aumictech**

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Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) E4432B Synthesised Signal Generator, 250KHz to 3GHz

Keysight (Agilent) E4432B Synthesised Signal Generator, 250KHz to 3GHz The Keysight/Agilent E4432B is an ESG-D series digital and analog RF signal generator covering 250 kHz to 3 GHz with 0.01 Hz frequency resolution. Supports custom digital formats (FSK/MSK/PSK/QAM), AM/FM/ΦM/pulse, optional real-time I/Q baseband (UN8) and dual arbitrary waveform generator (UND). RF modulation bandwidth up to ~35 MHz. Optional UNB high-power attenuator path. Wireless receiver and component test; digital modulation R&D/manufacturing; general-purpose RF stimulus to 3 GHz. The Keysight/Agilent E4432B is an ESG-D series digital and analog RF signal generator covering 250 kHz to 3 GHz with 0.01 Hz frequency resolution. Supports custom digital formats (FSK/MSK/PSK/QAM), AM/FM/ΦM/pulse, optional real-time I/Q baseband (UN8) and dual arbitrary waveform generator (UND). RF modulation bandwidth up to ~35 MHz. Optional UNB high-power attenuator path. Wireless receiver and component test; digital modulation R&D/manufacturing; general-purpose RF stimulus to 3 GHz.

No photo

MODEL

Keysight E4432B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

E4432B

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 3 GHz; resolution 0.01 Hz; underrange to 100 kHz
- Output (standard): +13 to -136 dBm (≤ 1 GHz); +10 to -136 dBm (1–3 GHz)
- Output (Option UNB): +17 to -136 dBm (≤ 1 GHz); +16 to -136 dBm (1–3 GHz)
- Level accuracy: typically ± 0.5 dB to 2 GHz / ± 0.9 dB 2–3 GHz class (stated conditions)
- SSB phase noise (ESG-D class, typical): < -116 dBc/Hz at 1 GHz, 20 kHz offset class
- Digital: custom FSK/MSK/PSK/QAM; 1 Msample AWG playback/storage; 40 MHz sample rate; 14-bit I/Q
- Analog: AM 0–100%; FM/ Φ M wideband; pulse
- Step/list sweep (frequency and power)
- Interfaces: GPIB, RS-232; SCPI 1992.0

E4432B Characteristics / Specifications

PARAMETER	VALUE
Model	E4432B
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	ESG-D RF Signal Generator
Family	ESG-D Series
Alias	E4432B; Agilent E4432B Frequency / Power
Range	250 kHz–3 GHz
Resolution	0.01 Hz
Power	see Key Features (standard vs UNB) Operational Notes Prefer Agilent ESG datasheet 5965-3096. Related analog-only ESG-A sibling is E4421B (3 GHz).
Frequency	250 kHz to 3 GHz; resolution 0.01 Hz; underrange to 100 kHz
Output (standard)	+13 to –136 dBm (≤ 1 GHz); +10 to –136 dBm (1–3 GHz)
Output (Option UNB)	+17 to –136 dBm (≤ 1 GHz); +16 to –136 dBm (1–3 GHz)
Level accuracy	typically ± 0.5 dB to 2 GHz / ± 0.9 dB 2–3 GHz class (stated conditions)
SSB phase noise (ESG-D class, typical)	< –116 dBc/Hz at 1 GHz, 20 kHz offset class
Digital	custom FSK/MSK/PSK/QAM; 1 Msample AWG playback/storage; 40 MHz sample rate; 14-bit I/Q
Analog	AM 0–100%; FM/ Φ M wideband; pulse
Interfaces	GPIO, RS-232; SCPI 1992.0
Bandwidth	up to ~35 MHz. Optional UNB high-power attenuator path.

E4432B Specifications

PARAMETER	VALUE
Applications	Wireless receiver and component test; digital modulation R&D/manufacturing; general-purpose RF stimulus to 3 GHz.
Key Features	- Frequency: 250 kHz to 3 GHz; resolution 0.01 Hz; underrange to 100 kHz
Technical Specifications	Model: E4432B
Frequency / Power	Range: 250 kHz–3 GHz
Operational Notes	Prefer Agilent ESG datasheet 5965-3096. Related analog-only ESG-A sibling is E4421B (3 GHz).

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	E4432B
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	ESG-D RF Signal Generator
Family	ESG-D Series
Alias	E4432B; Agilent E4432B
Frequency / Power	
Frequency / Power	
PARAMETER	VALUE
Range	250 kHz–3 GHz
Resolution	0.01 Hz
Power	see Key Features (standard vs UNB)
Operational Notes	
Prefer Agilent ESG datasheet 5965-3096. Related analog-only ESG-A sibling is E4421B (3 GHz).	

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

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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.