

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 5, 2026

KEYSIGHT

Keysight (Agilent) E4436B ESG-DP Series Digital RF Signal Generator, 3 GHz

Keysight (Agilent) E4436B ESG-DP Series Digital RF Signal Generator, 3 GHz The Keysight/Agilent E4436B is an ESG-DP Series digital RF signal generator covering 250 kHz to 3 GHz with enhanced phase-noise performance versus base ESG models. Supports analog AM/FM/ΦM/pulse and optional digital I/Q baseband generation (ARB and/or real-time I/Q) with up to ~35–40 MHz RF modulation bandwidth class. Custom digital modulation (FSK, MSK, PSK, QAM variants), step/list sweep of frequency and power. Digital communications receiver test; wireless protocol stimulus; general-purpose RF signal generation to 3 GHz. The Keysight/Agilent E4436B is an ESG-DP Series digital RF signal generator covering 250 kHz to 3 GHz with enhanced phase-noise performance versus base ESG models. Supports analog AM/FM/ΦM/pulse and optional digital I/Q baseband generation (ARB and/or real-time I/Q) with up to ~35–40 MHz RF modulation bandwidth class. Custom digital modulation (FSK, MSK, PSK, QAM variants), step/list sweep of frequency and power. Digital communications receiver test; wireless protocol stimulus; general-purpose RF signal generation to 3 GHz.

No photo

MODEL

Keysight E4436B

CALIBRATION

**N/A — off-catalog
OEM datasheet**

CONDITION

**See OEM
documentation**

STATUS

**Not listed on
Aumictech
inventory**

RFQ / SKU

E4436B

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
- Enhanced phase noise (ESG-DP)
- RF modulation bandwidth up to ~35 MHz class
- Optional dual ARB and/or real-time I/Q baseband generator
- ARB class: 40 MHz sample rate, 14-bit I/Q; 1 Msample playback/storage (option-dependent)
- Modulations: AM, FM, Φ M, pulse; digital FSK/MSK/PSK/QAM variants
- Step/list sweep (frequency and power)
- Personality options (GSM, cdmaOne, W-CDMA trials, etc.)

E4436B Characteristics / Specifications

PARAMETER	VALUE
Model	E4436B
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Digital RF Signal Generator
Family	ESG-DP Series (E443xB)
Alias	E4436B; Agilent E4436B Frequency
Range	250 kHz to 3 GHz Modulation / Baseband (option-dependent)
RF modulation BW	up to ~35 MHz Internal dual ARB (UND) / real-time I/Q (UN8) options
ARB	~40 MHz sample rate, 14-bit; memory option-dependent (1 M / 8 M class) Operational Notes ESG-D is E4430–E4433; ESG-DP is E4434–E4437 class. Prefer Agilent ESG-DP datasheet for level accuracy, SSB phase noise, and option tables.
Frequency	250 kHz to 3 GHz
ARB class	40 MHz sample rate, 14-bit I/Q; 1 Msample playback/storage (option-dependent)
Modulations	AM, FM, ΦM, pulse; digital FSK/MSK/PSK/QAM variants
Bandwidth	class. Custom digital modulation (FSK, MSK, PSK, QAM variants), step/list sweep of frequency and power.

E4436B Specifications

PARAMETER	VALUE
Applications	Digital communications receiver test; wireless protocol stimulus; general-purpose RF signal generation to 3 GHz.
Key Features	- Frequency: 250 kHz to 3 GHz
Technical Specifications	Model: E4436B
Operational Notes	ESG-D is E4430–E4433; ESG-DP is E4434–E4437 class. Prefer Agilent ESG-DP datasheet for level accuracy, SSB phase noise, and option tables.

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 versus base ESG models. Supports analog AM/FM/ØM/pulse and optional digital I/Q baseband generation (ARB and/or real-time I/Q) with up to ~35-40 MHz RF modulation bandwidth class. Custom digital modulation (FSK, MSK, PSK, QAM variants), step/list sweep of frequency and power.

Applications

Digital communications receiver test; wireless protocol stimulus; general-purpose RF signal generation to 3 GHz.

Key Features

- Frequency: 250 kHz to 3 GHz
- Enhanced phase noise (ESG-DP)
- RF modulation bandwidth up to ~35 MHz class
- Optional dual ARB and/or real-time I/Q baseband generator
- ARB class: 40 MHz sample rate, 14-bit I/Q; 1 Msample playback/storage (option-dependent)
- Modulations: AM, FM, ØM, pulse; digital FSK/MSK/PSK/QAM variants
- Step/list sweep (frequency and power)
- Personality options (GSM, cdmaOne, W-CDMA trials, etc.)

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	E4436B
Manufacturer	Keysight Technologies (Agilent)
Instrument Type	Digital RF Signal Generator
Family	ESG-DP Series (E443xB)
Alias	E4436B; Agilent E4436B

Frequency

Range: 250 kHz to 3 GHz

Modulation / Baseband (option-dependent)

RF modulation BW: up to ~35 MHz

Internal dual ARB (UND) / real-time I/Q (UN8) options

ARB: ~40 MHz sample rate, 14-bit; memory option-dependent (1 M / 8 M class)

Operational Notes

ESG-D is E4430-E4433; ESG-DP is E4434-E4437 class. Prefer Agilent ESG-DP datasheet for level accuracy, SSB phase noise, and option tables.

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.