

KEYSIGHT TECHNOLOGIES (AGILENT HP)

ESG

The Keysight Technologies (Agilent HP) ESG series is a family of Vector Signal Generators designed for a wide range of applications, including wireless communications, component characterization, and general-purpose RF testing. These instruments are known for their comprehensive modulation capabilities, flexible architecture, and excellent spectral purity, making them suitable for generating complex modulated signals required for modern communication systems.

SPECIFICATIONS

Physical

Rack Units	3U
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General Specifications

Number of RF Outputs	1
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Frequency Characteristics

Frequency Range	250 kHz to 3 GHz / 4 GHz / 6 GHz (frequency-option dependent)
Internal Reference Frequency	10 MHz
External Reference Output	10 MHz

Analog Modulation

AM Modulation Depth Range	0-100%
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Triggering & Synchronization

Trigger Source	Internal, External, Bus
External Trigger Input	BNC

Front Panel & User Interface

User Interface Controls	Keypad, rotary knob, softkeys
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Connectivity & Remote Control

GPIO (IEEE-488) Interface	Yes
Remote Programming Languages (SCPI)	Yes
RF Output Connector Type	N-type (female, 50 Ohm)
Reference Input Connector	BNC
Reference Output Connector	BNC

Environmental & Safety

Operating Altitude	Up to 3000 m (10,000 ft)
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TECHNOLOGY

RF signal generation, vector modulation

APPLICATIONS

Wireless communication testing, component characterization, R&D

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.