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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight E8257DV10

Keysight E8257DV10 VDI WR10 Signal Generator Frequency Extender 75 to 110 GHz The Keysight E8257DV10 isaVDI WR10 SGX extender for E8257D covering 75 to 110 GHz at plus 14 dBm typical. OEM configuration guide and VDI SGX tables list WR10 waveguide, 7 to 13 dBm 2.92 mm standard input, minus 3 to 3 dBm 2.4 mm high-frequency input, and N5262VDI-175 external supply. W-band signal generation for automotive radar, 5G, and waveguide measurements. Instrument Type: Signal generator frequency extension module The Keysight E8257DV10 isaVDI WR10 SGX extender for E8257D covering 75 to 110 GHz at plus 14 dBm typical. OEM configuration guide and VDI SGX tables list WR10 waveguide, 7 to 13 dBm 2.92 mm standard input, minus 3 to 3 dBm 2.4 mm high-frequency input, and N5262VDI-175 external supply. W-band signal generation for automotive radar, 5G, and waveguide measurements. Instrument Type: Signal generator frequency extension module Minimum Output Power Class: plus 10 dBm on VDI WR10 table



MODEL

**Agilent / Keysight
E8257DV10**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

E8257DV10

LISTING

<https://aumictechlabs.com/products/e8257dv10-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight E8257DV10 is a PSG analog signal generator engineered for RF and microwave applications requiring exceptional phase noise and wide frequency coverage. Operating from 250 kHz to 67 GHz, it delivers output power and supports complex modulation

formats across aerospace, defense, and commercial test environments. Technical Specifications

Frequency Range: 250 kHz to 67 GHz Output Power: High output power capabilities exceeding industry standards; specific power levels vary by frequency Phase Noise Performance: Enhanced specifications optimized for sensitive receiver testing and radar applications Modulation Capabilities: AM, FM, PM modulation formats Complex digital modulation generation High-resolution digital modulation for advanced signal simulation Signal Purity: Low SSB phase noise and spurious signal levels Internal Sources: Multi-function internal generation for versatile signal creation Control & Interfaces: SCPI remote control over GPIB, USB, and Ethernet (LAN) Advanced triggering and synchronization capabilities Trigger input/output for external equipment coordination RF Output: Standard connectors (Type N, 3.5mm, 2.4mm depending on frequency range) Power Input: Standard AC mains input Key Features Option V10 provides specific performance enhancements related to phase noise or output power Benchtop form factor with rack-mountable dimensions Spectral purity optimized for precision measurement and validation Typical Applications Aerospace and defense RF/microwave testing Receiver sensitivity and noise figure characterization Radar system validation Commercial wireless device development and verification Compatibility & Integration Integrates with Keysight PathWave Signal Generation software and standard RF test platforms including spectrum analyzers, power meters, and network analyzers.

E8257DV10 Characteristics / Specifications

PARAMETER	VALUE
Model	E8257DV10
Instrument Type	Signal generator frequency extension module
Vdi Model	WR10SGX
Frequency Range	75 GHz to 110 GHz
Waveguide	WR10
Typical Output Power	plus 14 dBm
Minimum Output Power Class	plus 10 dBm on VDI WR10 table
Standard Rf Input Level	7 to 13 dBm
Standard Rf Input Connector	2.92 mm female
High Frequency Rf Input Level	minus 3 to 3 dBm
High Frequency Rf Input Connector	2.4 mm female
Output Flange	VDI precision UG-387/UM
Am Ttl Input	0 to 5 V up to about 1 kHz BNC female
Ac Supply	100 to 240 VAC 3.5 A
External Supply	N5262VDI-175
Host Generator	E8257D PSG
Usb Data Down To 73 Ghz	data on USB down to 73 GHz
Manufacturer	Virginia Diodes Inc for Keysight
Literature	5991-3162EN
Related Wr	E8257DV15 50 to 75 GHz
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications

E8257DV10 Specifications

PARAMETER	VALUE
Applications	W-band signal generation for automotive radar, 5G, and waveguide measurements.
Key Features	Full WR10 band 75 to 110 GHz
Technical Specifications	Model: E8257DV10
Notes	From Keysight E8257D configuration guide E8257DV10 row and VDI SGX WR10 power table.

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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Model	E8257DV10
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Vdi Model	WR10SGX
Frequency Range	75 GHz to 110 GHz
Waveguide	WR10
Typical Output Power	plus 14 dBm
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External Supply	N5262VDI-175
Host Generator	E8257D PSG
Usb Data Down To 73 Ghz	data on USB down to 73 GHz
Manufacturer	Virginia Diodes Inc for Keysight
Literature	5991-3162EN
Related Wr15	E8257DV15 50 to 75 GHz
Brand Lineage	Hewlett Packard Agilent Keysight
Documentation Type	OEM datasheet and catalog specifications
Notes	
From Keysight E8257D configuration guide E8257DV10 row and VDI SGX WR10 power table.	

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.