HPORTEK

PRODUCT DATASHEET

SYVSG-B9K18G

Portable Vector Signal Generator

The SYVSG-B9K18G is a bench-top vector signal generator covering 9 kHz to 18 GHz for general lab use. It offers wide dynamic range, fine step size, and low phase noise, with rich modulation formats including FM, AM, CW, FMCW, QPSK, BPSK, 8PSK, and QAM.



Features

• Ultra-wide frequency range

• Rich modulation formats

• High frequency & power resolution

• User-friendly interface

• Excellent output performance

• Abundant peripheral interfaces

Published technical information

Parameter	Specification / typical value
Technical Specifications	
Output Frequency	9kHz ~ 18GHz
Frequency Accuracy	≤1ppm
Instantaneous Bandwidth	≤800MHz
Power Range	-100dBm ~ 5dBm
Power Step	≤0.1dB
Power Accuracy	≤±1.5dB（-60dBm < P < 5dBm）
VSWR	≤1.8：1

Parameter	Specification / typical value
Spurious Suppression	≥50dBc
Harmonic Suppression	≥28dBc
Phase Noise (1 GHz)	≤-115dBc/Hz@10kHz
Signal Formats	FM, AM, CW, FMCW, QPSK, BPSK, 8PSK, QAM, etc.
General Specifications	
Dimensions	181 mm (W × D × H)
Weight	≤15kg
Operating Temperature	-10℃ ~ 40℃
Storage Temperature	-25℃ ~ +70℃

Prepared from the existing product catalogue. Specifications may change; typical values are not guaranteed limits. Confirm operating conditions, interfaces and ordering configuration with engineering. This document does not replace the equipment operating manual.

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https://www.hportek.com/en/product/rf-signal-generator-syvsg-b9k18g/