HPORTEK

PRODUCT DATASHEET

SYVSG-T9K40G

Vector Signal Generator

The SYVSG-T9K40G is a bench-top vector signal generator covering 9 kHz to 40 GHz. It offers wide dynamic range, fine step, 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 ~ 40GHz
Frequency Accuracy	≤1ppm
Instantaneous Bandwidth	≤1GHz
Power Range	-90dBm ~ 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	≤18kg
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-t9k40g/