HPORTEK

PRODUCT DATASHEET

SYASG-B500K40G

Portable Analog Signal Generator

The SYASG-B500K40G is a portable analog signal generator covering 500 kHz to 40 GHz for field test. It uses analog FM, PM, and AM techniques, with a 10.1" LCD touchscreen.



Features

• Ultra-wide frequency range

• Rich modulation formats

• Integrated 10.1" LCD touchscreen

• User-friendly interface

• All-in-one chassis, easy to carry

• Arbitrary frequency step

Published technical information

Parameter	Specification / typical value
Functional Specifications	
Built-in self-test	Supported
Remote control	Supported
Graphical user interface	Supported
Logging and more	Supported
Technical Specifications	
Output Frequency	500kHz ~ 40GHz
Frequency Accuracy	≤1ppm

Parameter	Specification / typical value
Instantaneous Bandwidth	≤800MHz
Power Range	-100dBm ~ 5dBm
Power Step	≤0.1dB
Power Accuracy	≤±1.5dB（-60dBm < P < 5dBm）
VSWR	≤1.8：1
Spurious Suppression	≥50dBc
Harmonic Suppression	≥28dBc
Phase Noise (1 GHz)	≤-115dBc/Hz@10kHz
Signal Formats	FM, AM, PM, etc.
General Specifications	
Dimensions (L×W×H)	320 mm × 240 mm × 60 mm (excluding corner guards and handle)
Weight	≤5 kg (including battery)
Battery Life	≥2h
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.

Engineering enquiries: george@hportek.com

https://www.hportek.com/en/product/rf-signal-generator-syasg-b500k40g/