

FEATURES

- **Digital amplitude and offset control:** Enables precise waveform adjustments for accurate testing.
- **FM modulation capability:** Supports frequency modulation for advanced signal processing applications.
- **Internal and external amplitude modulation:** Offers flexibility in signal generation for various testing scenarios.
- **Internal linear and logarithmic sweep:** Facilitates comprehensive frequency analysis and testing.
- **USB interface:** Ensures easy connectivity with computers and other digital devices.
- **Wide frequency range:** Covers from 200 kHz to 60 MHz for sine waves, accommodating diverse testing needs.
- **Variable sweep functionality:** Allows for dynamic frequency changes during operation.
- **Compact design:** With dimensions of 293 mm x 266 mm x 107 mm, it fits easily into any workspace.

RS PRO 60 MHz Function Generator, 2 Channels

RS Stock No: 642-968



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

The RS PRO Function Generator is a versatile tool designed for generating a wide range of waveforms. With a maximum frequency range of 60 MHz for sine waves, this device is ideal for testing and development in electronic labs and workshops. Its dual-channel capability allows for simultaneous signal generation, enhancing productivity and efficiency.

General Specifications

Digital Amplitude and Offset	Yes
FM Modulation	Yes
Interface Type	USB
Internal and External Amplitude Modulation	Yes
Internal Linear and Log Sweep	Yes
Number of Channels	2
Product Type	Function Generator
Variable Sweep	Yes

Mechanical Specifications

Height	107 mm
Length	293 mm
Weight	2.5 kg
Width	266 mm

Electrical Specifications

Input Impedance	10 k Ω
Maximum Frequency Range (Sinewave)	60 MHz
Maximum Frequency Range (Square Pulse/Arbitrary Waveform)	25 MHz
Maximum Frequency Range (Triangle/Saw)	1 MHz
Minimum Frequency Range (Sinewave)	200 kHz
Minimum Frequency Range (Square Pulse/Arbitrary Waveform)	1 μ Hz Pulse
Output Amplitude	20 Vpp
Output Impedance	50 Ω
Plug Type	UK
TTL Output Level	50 Ω

Operation Environment Specifications

Maximum Operating Temperature	40 °C
Minimum Operating Temperature	0 °C

Approvals

Standards/Approvals	EMC 2014-30-EU, EN 55011 2009+A1:2010, EN 61000-3-2 2014, EN 61000-3-3 2013, EN 61000-4-2 2009, EN 61000-4-3 2006+A1 2008+A2:2010, EN 61000-4-5 2006, EN 61000-4-6 2014, EN 61000-4-8 2010, EN 61010-1 2010, EN 61326-1, EN 61326-2-1, IEC 61000-4-11 2004, IEC 61000-4-4 2012, LVD 2014-35-EU, RoHS 2011-65-EU, WEEE 2012-19-EU
---------------------	--

Measurement Specifications

Time Base Accuracy	±20 ppm
--------------------	---------