

N5185A MXG

Analog signal generator

Introduction

This configuration guide contains information to help you configure your N5185A MXG analog signal generator to meet your requirements. Ordering optional capabilities at the time of purchase provides the lowest overall cost of ownership.



Configure Hardware

Select number of channels

Configuration	Required options	Descriptions	Additional information
One channel	N5185A-001	Add channel one	Required for all configurations
Two channel	N5185A-001 N5185A-002	Add channel one Add channel two	
Four channels	N5185A-001 N5185A-002 N5185A-003 N5185A-004	Add channel one Add channel two Add channel three Add channel four	

Select connector configuration

Option	Description	Additional information
N5185A-1EM	Move all connectors to rear panel	

Select system features (ordered once per instrument)

Option	Description	Additional information
N5185A-PCH	Phase coherence for N channels	

Select channel features (ordered once per channel)

Option	Description	Additional information
Frequency options (must select one; option will be duplicated on all channels)		
N5185A-503	CW frequency range, 9 kHz to 3 GHz	
N5185A-506	CW frequency range, 9 kHz to 6 GHz	
N5185A-508	CW frequency range, 9 kHz to 8.5 GHz	
Phase noise options (optionally select one; option will be duplicated on all channels)		
N5185A-EP3	Low phase noise	Not compatible with EP4
N5185A-EP4	Enhanced low phase noise	Not compatible with EP3
High output power options (optionally select; option will be duplicated on all channels)		
N5185A-1EA	High output power from 9 kHz to 3, 6, or 8 GHz	
General performance feature options (optionally select; options will be duplicated on all channels)		
N5185A-099	Expanded license key upgradability	Option 099 is required for anyone considering future upgrades. Option 099 simplifies the upgrade process by enabling upgrades via a license key for options 1EA, 1EQ, and UNV.
N5185A-1EQ	Low specified power (< -110 dBm)	
N5185A-PMR	Pulse modulation	
N5185A-303	Multifunction generator	
N5185A-UNT	AM, FM, phase modulation	
N5185A-CW1	Secondary DDS tone generator	
Switching speed options (optionally select; option will be duplicated on all channels)		
N5185A-UNZ	Fast switching	
Embedded reflectometer options (optionally select; option will be duplicated on all channels)		
N5185A-V08	Embedded reflectometer from 9 kHz to 3, 6, or 8.5 GHz	E7653APPC is recommended with option V08.

Configure Software

Included software

The N5185A MXG base configuration includes the following software tools.

Description

Sample waveforms
PathWave General Purpose Signal Generation

Embedded PathWave software tools

Embedded PathWave software tools can be used to create and playback waveforms through the MXG touch-optimized graphical user interface. Optionally select any models. One software license per instrument is required.

Model	Description
E7653APPC	PathWave automatic channel response correction and S-parameter de-embedding

Select Accessories

Model	Description	Additional information
1CM110A	Rackmount flange kit	
1CN106A	Front handle kit	
1CP104A	Rackmount flange and front handle kit	

KeysightCare Coverage

One year of KeysightCare Assured is included with your new N5185A MXG Analog Signal Generator for priority access to technical experts and optimized uptime to mitigate project risk. Multiyear upgrade options to KeysightCare Enhanced add calibration coverage for full performance verification and accelerated turnaround times.

Obtain multi-year KeysightCare upfront to lock in the service pricing of today and operate with a planned spending profile and eliminate the need for yearly requests for maintenance budget. Plus, you benefit from secured service for 2, 3, or 5 years.

Service	Function
KeysightCare Enhanced ¹	Includes tech support, warranty, and calibration
R-55B-001-1	KeysightCare Enhanced – Upgrade 1 year
R-55B-001-2	KeysightCare Enhanced – Extend to 2 years
R-55B-001-3	KeysightCare Enhanced – Extend to 3 years (Recommended)
R-55B-001-5	KeysightCare Enhanced – Extend to 5 years (Recommended)
R-55B-001-3CC	KeysightCare Enhanced – Extend to 3 years (China only) ²
R-55B-001-5CJ	KeysightCare Enhanced – Extend to 5 years (Japan only)
KeysightCare Assured	Includes tech support and warranty
R-55A-001-2	KeysightCare Assured – Extend to 2 years
R-55A-001-3	KeysightCare Assured – Extend to 3 years
R-55A-001-5	KeysightCare Assured – Extend to 5 years
R-55A-001-3CC	KeysightCare Assured – Extend to 3 years (China only)
R-55A-001-5CC	KeysightCare Assured – Extend to 5 years (China only)
R-55A-001-5CJ	KeysightCare Assured – Extend to 5 years (Japan only)
Start-Up Assistance	
PS-S20	Startup assistance, daily
PS-X10	Custom Services

¹ Available in select countries. R-55B-001-2/3/5 must be ordered with R-55B-001-1. For details, please view the KeysightCare [datasheet](#).

² Contact Keysight for 5 year coverage.

Keysight enables innovators to push the boundaries of engineering by quickly solving design, emulation, and test challenges to create the best product experiences. Start your innovation journey at www.keysight.com.