

Agilent E8241A/44A/51A/54A PSG Series Performance Signal Generator

Configuration Guide

- Continuous wave generation and digital sweep (step/list)
- High output power available with Option 1EA
- Low phase noise available with Option UNJ
- 3 year warranty
- Connectivity: LAN, GPIB, RS-232
- 83550 series millimeter module interface for frequency extension to 110 GHz

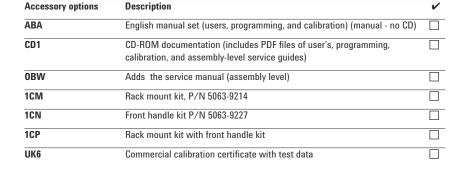


Products

Agilent Microwave PSG-L Series options

Frequency range

E8241A 250 kHz to 20 GHz E8244A 250 kHz to 40 GHz Options Description 1E1 Adds output step attenuator for extended range to -135 dBm 1EA High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz 1ED Type-N RF output connector (20 GHz only) UNJ Improved close-in phase noise W50 Five year warranty			
Options Description 1E1 Adds output step attenuator for extended range to —135 dBm 1EA High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz 1ED Type-N RF output connector (20 GHz only) UNJ Improved close-in phase noise	E8241A	250 kHz to 20 GHz	
Adds output step attenuator for extended range to —135 dBm High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz Type-N RF output connector (20 GHz only) UNJ Improved close-in phase noise	E8244A	250 kHz to 40 GHz	
Adds output step attenuator for extended range to —135 dBm High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz Type-N RF output connector (20 GHz only) UNJ Improved close-in phase noise			
1EA High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz 1ED Type-N RF output connector (20 GHz only) UNJ Improved close-in phase noise	Options	Description	V
1ED Type-N RF output connector (20 GHz only) UNJ Improved close-in phase noise	1E1	Adds output step attenuator for extended range to -135 dBm	
UNJ Improved close-in phase noise	1EA	High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz	
r · · · · · · · · · · · · · · · · · · ·	1ED	Type-N RF output connector (20 GHz only)	
W50 Five year warranty	UNJ	Improved close-in phase noise	
	W50	Five year warranty	





- CW, digital sweep, and signal generation
- Modulation: AM, FM, Pulse, ΦM
- List and step sweep functions available
- High output power available as an Option 1EA
- Low phase noise available as an Option UNJ
- 3 year warranty
- Connectivity: LAN, GPIB, RS-232
- 83550 series millimeter module interface for frequency extension to 110 GHz



Agilent Microwave PSG-A Series options

Products	Frequency range	~
E8251A	250 kHz to 20 GHz	
E8254A	250 kHz to 40 GHz	
Options	Description	~
1E1	Adds output step attenuator for extended range to -135 dBm	
1EA	High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz	
1ED	Type-N RF output connector (20 GHz only)	
UNJ	Improved close-in phase noise	
W50	Five year warranty	
Accessory options	Description	V
ABA	English manual set (users, programming, and calibration) (manual - no CD)	
CD1	CD-ROM documentation (includes PDF files of user's, programming, calibration, and assembly-level service guides)	
0BW	Add service manual (assembly level)	
1CM	Rack mount kit, P/N 5063-9214	
1CN	Front handle kit P/N 5063-9227	
1CP	Rack mount kit with front handle kit	
UK6	Commercial calibration certificate with test data	

Agilent PSG – L and – A Series documentation

Standard products ship with electronic (CD-ROM) manual which includes PDF files of user's, programming, calibration, and assembly-level service guides. The CD-ROM includes all product literature for the series. Hard copy manuals do not ship with standard product and are available as option ABA.

Manual Part Number	Title
	0.11 0.11. 0.11
E8251-90035	Calibration Guide Guide
E8251-90020	PSG Family Documentation Se
E8251-90021	User's Doc CD-ROM
E8251-90022	Installation Guide
E8251-90023	User's Guide
E8251-90025	Programming Guide
E8251-90027	Error Messages
E8251-90030	Service Guide

Find out more go to: www.agilent.com/find/psg

Related Agilent literature

PSG Series Product Overview literature number 5988-2411EN

PSG Series Data Sheet literature number 5988-2412EN

PSG Series Product Note: User Flatness Correction literature number 5988-2410EN

PSG Series Product Note: Self Guided Demo literature number 5988-2414EN

PSG Series Configuration Guide literature number 5988-2413EN

PSG Series Product Note: Millimeter Head

literature number 5988-2567EN

PSG Series Product Note: Programming

Conversion Guide

literature number 5988-2568EN

Warranty

Standard warranty is three years. Extended five year warranty is available with Option W50.

Agilent Technologies' Test and Measurement Support, Services, and Assistance

Agilent Technologies aims to maximize the value you receive, while minimizing your risk and problems. We strive to ensure that you get the test and measurement capabilities you paid for and obtain the support you need. Our extensive support resources and services can help you choose the right Agilent products for your applications and apply them successfully. Every instrument and system we sell has a global warranty. Support is available for at least five years beyond the production life of the product. Two concepts underlie Agilent's overall support policy: "Our Promise" and "Your Advantage."

Our Promise

Our Promise means your Agilent test and measurement equipment will meet its advertised performance and functionality. When you are choosing new equipment, we will help you with product information, including realistic performance specifications and practical recommendations from experienced test engineers. When you use Agilent equipment, we can verify that it works properly, help with product operation, and provide basic measurement assistance for the use of specified capabilities, at no extra cost upon request. Many self-help tools are available.

Your Advantage

Your Advantage means that Agilent offers a wide range of additional expert test and measurement services, which you can purchase according to your unique technical and business needs. Solve problems efficiently and gain a competitive edge by contracting with us for calibration, extra-cost upgrades, out-of-warranty repairs, and on-site education and training, as well as design, system integration, project management, and other professional engineering services. Experienced Agilent engineers and technicians worldwide can help you maximize your productivity, optimize the return on investment of your Agilent instruments and systems, and obtain dependable measurement accuracy for the life of those products.

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