



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

Agilent Microwave PSG–L Series options

Products	Frequency range	✓
E8241A	250 kHz to 20 GHz	<input type="checkbox"/>
E8244A	250 kHz to 40 GHz	<input type="checkbox"/>
Options		
To add options to a product, use the following ordering scheme:		
Model:	E824xA (x = 1 or 4)	
Model Options:	E824xA-option number 1	
	E824xA-option number 2	
Options	Description	✓
E824xA-1E1	Adds output step attenuator for extended range to –135 dBm	<input type="checkbox"/>
E824xA-1EA	High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz	<input type="checkbox"/>
E824xA-1ED	Type-N RF output connector (20 GHz only)	<input type="checkbox"/>
E824xA-UNJ	Improved close-in phase noise	<input type="checkbox"/>
Accessory options	Description	✓
E824xA-ABA	English manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E824xA-ABD	German manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E824xA-ABF	French manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E824xA-ABJ	Japanese manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E824xA-ABI	Korean manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E824xA-CD1	CD-ROM documentation (includes PDF files of user's, programming, calibration, and assembly-level service guides)	<input type="checkbox"/>
E824xA-OBW	Adds the service manual (assembly level)	<input type="checkbox"/>
E824xA-1CM	Rack mount kit, P/N 5063-9215	<input type="checkbox"/>
E824xA-1CN	Front handle kit P/N 5063-9228	<input type="checkbox"/>
E824xA-1CP	Rack mount kit with front handle kit	<input type="checkbox"/>
E824xA-UK6	Commercial calibration certificate with test data	<input type="checkbox"/>
Warranty and Service		✓
For warranty and service of 5 years, please order 60 months of R-51B (quantity = 60). Standard warranty is 36 months.		
R-51B	Return-to-Agilent warranty and service plan	<input type="checkbox"/>
Calibration ¹		✓
For 3 years, order 36 months of the appropriate calibration plan shown below. For 5 years, specify 60 months.		
R-50C-001	Standard calibration	<input type="checkbox"/>
R-50C-002	Standards compliant calibration	<input type="checkbox"/>

1. Options not available in all countries.



- CW, digital sweep, and signal generation
- Modulation: AM, FM, Pulse, Φ M
- 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	<input type="checkbox"/>
E8254A	250 kHz to 40 GHz	<input type="checkbox"/>
Options		
To add options to a product, use the following ordering scheme:		
Model:	E825xA (x = 1 or 4)	
Model Options:	E825xA-option number 1	
	E825xA-option number 2	
Options	Description	✓
E825xA-1E1	Adds output step attenuator for extended range to –135 dBm	<input type="checkbox"/>
E825xA-1EA	High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz	<input type="checkbox"/>
E825xA-1ED	Type-N RF output connector (20 GHz only)	<input type="checkbox"/>
E825xA-UNJ	Improved close-in phase noise	<input type="checkbox"/>
Accessory options		
Description		
E825xA-ABA	English manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E825xA-ABD	German manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E825xA-ABF	French manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E825xA-ABJ	Japanese manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E825xA-ABI	Korean manual set (users, programming, and calibration) (manual - no CD)	<input type="checkbox"/>
E825xA-CD1	CD-ROM documentation (includes PDF files of user's, programming, calibration, and assembly-level service guides)	<input type="checkbox"/>
E825xA-OBW	Adds the service manual (assembly level)	<input type="checkbox"/>
E825xA-1CM	Rack mount kit, P/N 5063-9215	<input type="checkbox"/>
E825xA-1CN	Front handle kit P/N 5063-9228	<input type="checkbox"/>
E825xA-1CP	Rack mount kit with front handle kit	<input type="checkbox"/>
E825xA-UK6	Commercial calibration certificate with test data	<input type="checkbox"/>
Warranty and Service		
For warranty and service of 5 years, please order 60 months of R-51B (quantity = 60). Standard warranty is 36 months.		
R-51B	Return-to-Agilent warranty and service plan	<input type="checkbox"/>
Calibration¹		
For 3 years, order 36 months of the appropriate calibration plan shown below. For 5 years, specify 60 months.		
R-50C-001	Standard calibration	<input type="checkbox"/>
R-50C-002	Standards compliant calibration	<input type="checkbox"/>

1. Options not available in all countries.

Agilent PSG – L and – A Series documentation

Standard products ship with hard copy and electronic (CD-ROM) manuals. The CD-ROM includes all product literature for the series.

Manual

Part Number	Title
E8251-90035	Service Guide
E8251-90020	PSG Family Learning Products
E8251-90021	User's Doc CD-ROM
E8251-90028	Feature Releases
E8251-90022	Installation Guide
E8251-90035	Agilent E8251A Calibration Software Help
E8251-90023	User's Guide
E8251-90024	Key Reference
E8251-90025	Programming Guide
E8251-90026	Command Reference
E8251-90027	Error Messages
E8251-90034	Data Sheet 5988-2412EN Menu Maps
E8251-90029	Label Sheet
E8251-90030	Service Guide
E8251-90031	Service Doc CD-ROM
E8251-90032	CLIP Package
E8251-90033	CLIP CD-ROM

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

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.

By internet, phone, or fax, get assistance with all your test & measurement needs

Online assistance:

www.agilent.com/find/assist

Phone or Fax

United States:

(tel) 1 800 452 4844

Canada:

(tel) 1 877 894 4414

(fax) (905) 282 6495

China:

(tel) 800 810 0189

(fax) 1 0800 650 0121

Europe:

(tel) (31 20) 547 2323

(fax) (31 20) 547 2390

Japan:

(tel) (81) 426 56 7832

(fax) (81) 426 56 7840

Korea:

(tel) (82 2) 2004 5004

(fax) (82 2) 2004 5115

Latin America:

(tel) (305) 269 7500

(fax) (305) 269 7599

Taiwan:

(tel) 080 004 7866

(fax) (886 2) 2545 6723

Other Asia Pacific Countries:

(tel) (65) 375 8100

(fax) (65) 836 0252

Email: tm_asia@agilent.com

Product specifications and descriptions in this document subject to change without notice.

© Agilent Technologies, Inc. 2002

Printed in USA March 18, 2002

5988-2413EN



Agilent Email Updates

www.agilent.com/find/emailupdates
Get the latest information on the products and applications you select.



Agilent Technologies