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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	☐
E8244A	250 kHz to 40 GHz	☐
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	☐
E824xA-1EA	High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz	☐
E824xA-1ED	Type-N RF output connector (20 GHz only)	☐
E824xA-UNJ	Improved close-in phase noise	☐
Accessory options	**Description**	✔
E824xA-ABA	English manual set (users, programming, and calibration) (manual - no CD)	☐
E824xA-ABD	German manual set (users, programming, and calibration) (manual - no CD)	☐
E824xA-ABF	French manual set (users, programming, and calibration) (manual - no CD)	☐
E824xA-ABJ	Japanese manual set (users, programming, and calibration) (manual - no CD)	☐
E824xA-ABI	Korean manual set (users, programming, and calibration) (manual - no CD)	☐
E824xA-CD1	CD-ROM documentation (includes PDF files of user's, programming, calibration, and assembly-level service guides)	☐
E824xA-OBW	Adds the service manual (assembly level)	☐
E824xA-1CM	Rack mount kit, P/N 5063-9215	☐
E824xA-1CN	Front handle kit P/N 5063-9228	☐
E824xA-1CP	Rack mount kit with front handle kit	☐
E824xA-UK6	Commercial calibration certificate with test data	☐
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	☐
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	☐
R-50C-002	Standards compliant calibration	☐

1. Options not available in all countries.

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- **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		
	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	☐
E825xA-1EA	High RF output power +20 dBm at 20 GHz, +14 dBm at 40 GHz	☐
E825xA-1ED	Type-N RF output connector (20 GHz only)	☐
E825xA-UNJ	Improved close-in phase noise	☐
Accessory options	**Description**	✔
E825xA-ABA	English manual set (users, programming, and calibration) (manual - no CD)	☐
E825xA-ABD	German manual set (users, programming, and calibration) (manual - no CD)	☐
E825xA-ABF	French manual set (users, programming, and calibration) (manual - no CD)	☐
E825xA-ABJ	Japanese manual set (users, programming, and calibration) (manual - no CD)	☐
E825xA-ABI	Korean manual set (users, programming, and calibration) (manual - no CD)	☐
E825xA-CD1	CD-ROM documentation (includes PDF files of user's, programming, calibration, and assembly-level service guides)	☐
E825xA-OBW	Adds the service manual (assembly level)	☐
E825xA-1CM	Rack mount kit, P/N 5063-9215	☐
E825xA-1CN	Front handle kit P/N 5063-9228	☐
E825xA-1CP	Rack mount kit with front handle kit	☐
E825xA-UK6	Commercial calibration certificate with test data	☐
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	☐
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	☐
R-50C-002	Standards compliant calibration	☐

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

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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."

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