



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

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