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Agilent 8560 E-Series
Spectrum Analyzers and Accessories

Configuration Guide



8560E RF Spectrum Analyzer (30 Hz to 2.9 GHz)
8561E RF Spectrum Analyzer (30 Hz to 6.5 GHz)
8562E RF Spectrum Analyzer (30 Hz to 13.2 GHz)
8563E Microwave Spectrum Analyzer (9 kHz to 26.5 GHz)
8564E Millimeter-wave Spectrum Analyzer (9 kHz to 40 GHz)
8565E Millimeter-wave Spectrum Analyzer (9 kHz to 50 GHz)
8560EL RF Spectrum Analyzer (30 Hz to 2.9 GHz)
8562EL RF Spectrum Analyzer (30 Hz to 13.2 GHz)

Agilent Technologies
Innovating the HP Way

Agilent 8560 E-Series Options

✓ = compatible options

Option	Description	8560E	8561E	8562E	8563E	8564E	8565E	8560EL	8562EL
☐ 001	310.7 MHz IF output	✓	✓	✓	✓	✓	✓		
☐ 002	Built-in tracking generator[1]	✓						✓	
☐ 005	Add alternate sweep output[1]	✓	✓	✓	✓	✓	✓		
☐ 006	Frequency coverage down to 30 Hz	Std	Std	Std	✓	✓	✓	Std	Std
☐ 007	Digitized fast time domain sweeps	✓	✓	✓	✓	✓	✓		
☐ 008	Adds Signal Identification	✓	✓	✓	✓	✓	✓		
☐ 026	APC 3.5-mm input connector				✓				
☐ 042	Protective soft carrying case/backpack	✓	✓	✓	✓	✓	✓		
☐ 0B0	Delete Manual set	✓	✓	✓	✓	✓	✓	✓	✓
☐ 0Q8	Factory delivered service training	✓	✓	✓	✓			✓	✓
☐ 103	Delete precision frequency reference	✓	✓	✓	✓	✓	✓	Std	Std
☐ 104	Delete 85620A Mass Memory Module	✓	✓	✓	✓	✓	✓	Std	Std
☐ 1BN	Certificate of calibration for MIL-STD 45662	✓	✓	✓	✓	✓	✓	✓	✓
☐ 1BP	Certificate of calibration with test data for MIL-STD 45662	✓	✓	✓	✓	✓	✓	✓	✓
☐ 8ZE	Refurbished spectrum analyzer (as available)		Contact an Agilent representative for availability						
☐ 908	Rack mount kit without handles	✓	✓	✓	✓	✓	✓	✓	✓
☐ 909	Rack mount kit with handles	✓	✓	✓	✓	✓	✓	✓	✓
☐ 910	Extra user's guide, calibration guide, mass memory module manual, and quick reference guide (QRG)	✓	✓	✓	✓	✓	✓	✓	✓
☐ 915	Service guide and component level information manual	✓	✓	✓	✓	✓	✓		
☐ 916	Additional quick reference guide (English)	✓	✓	✓	✓	✓	✓		
☐ AB2	Localization Chinese (user's guide)	✓	✓	✓	✓	✓	✓		
☐ ABD	Localization German (user's guide and QRG)	✓	✓	✓	✓	✓	✓	✓	✓
☐ ABE	Localization Spanish (user's guide and QRG)	✓	✓	✓	✓	✓	✓	✓	✓
☐ ABF	Localization French (user's guide and QRG)	✓	✓	✓	✓	✓	✓	✓	✓
☐ ABJ	Localization Japanese (user's guide and QRG)	✓	✓	✓	✓	✓	✓	✓	✓
☐ ABZ	Localization Italian (user's guide and QRG)	✓	✓	✓	✓	✓	✓	✓	✓
☐ J00	Bundles Option UK6 for Japan ONLY	✓	✓	✓	✓				
☐ J67	Bundles Option UK6, 006, and 007 for Japan ONLY				✓				
☐ J70	Bundles Option UK6 and 007 for Japan ONLY	✓	✓	✓					
☐ R07	Digital fast time-domain sweep retrofit kit	✓	✓	✓	✓				
☐ R08	Signal identification retrofit kit	✓	✓	✓	✓				
☐ UK6	Commercial calibration certificate with test data	✓	✓	✓	✓	✓	✓	✓	✓
☐ W30	Two additional years return-to-Agilent service	✓	✓	✓	✓	✓	✓	✓	✓
☐ W32	Two additional years return-to-Agilent calibration	✓	✓	✓	✓	✓	✓	✓	✓
☐ W34	Two additional years return-to-Agilent calibration MIL-Standard compliant calibration	✓	✓	✓	✓	✓	✓	✓	✓
☐ W50	Four additional years return-to-Agilent service	✓	✓	✓	✓	✓	✓	✓	✓
☐ W52	Four additional years return-to-Agilent calibration	✓	✓	✓	✓	✓	✓	✓	✓
☐ W54	Four additional years return-to-Agilent calibration MIL-Standard compliant calibration	✓	✓	✓	✓	✓	✓	✓	✓

Agilent 8560 E-Series Application Measurement Cards/Measurement Personalities[2]

✓ = compatible cards/personalities

☐ 85710A	Digital Radio Measurements Personality	✓[7]	✓[7]	✓	✓	✓	✓		
☐ 85671A	Phase Noise Measurements Utility	✓	✓	✓	✓	✓	✓		
☐ 85672A	Spurious Response Measurements Utility	✓	✓	✓	✓	✓	✓		

PC Software

☐ E4444A	Benchlink spectrum analyzer	✓	✓	✓	✓	✓	✓	✓	✓

Agilent 8560 E-Series Accessories

For Scalar Measurements

- ☐ **85640A** Tracking generator (300 kHz to 2.9 GHz)
- ☐ **8721A** Directional bridge
- ☐ **11852B** Option C04 50 to 75 ohm minimum loss pad
- ☐ **86205A** 50 ohm bridge (300 kHz to 6 GHz)

For Extended Frequency Measurements

- ☐ **11974A** Preselected mm mixer (26.5 GHz to 40 GHz)[3,6]
- ☐ **11974Q** Preselected mm mixer (33 GHz to 50 GHz)[3,6]
- ☐ **11974U** Preselected mm mixer (40 GHz to 60 GHz)[3,6]
- ☐ **11974V** Preselected mm mixer (50 GHz to 75 GHz)[3,6]
- ☐ **11970K** mm harmonic mixer (18 GHz to 26.5 GHz)[3,5]
- ☐ **11970A** mm harmonic mixer (26.5 GHz to 40 GHz)[3,5]
- ☐ **11970Q** mm harmonic mixer (33 GHz to 50 GHz)[3,5]
- ☐ **11970U** mm harmonic mixer (40 GHz to 60 GHz)[3,5]
- ☐ **11970V** mm harmonic mixer (50 GHz to 75 GHz)[3,5]
- ☐ **11970W** mm harmonic mixer (75 GHz to 110 GHz)[3,5]

Amplifiers and Preamplifiers

- ☐ **8447A** Preamplifier (100 kHz to 400 MHz, 20 dB gain)
- ☐ **8447D** Preamplifier (100 kHz to 1.3 GHz, 25 dB gain)
- ☐ **8449B** Preamplifier (1 GHz to 26.5 GHz, 30 dB gain)
- ☐ **10855A** Broadband preamplifier (2 MHz to 1300 MHz, 22 dB gain)
- ☐ **83006A** 10 MHz to 26.5 GHz preamplifier (20 dB gain)
- ☐ **83051A** 45 MHz to 50 GHz preamplifier (23 dB gain)

Printers

Most Hewlett-Packard DeskJet and LaserJet (PCL 3 compatible) printers are compatible with 8590 series spectrum analyzers. Printer compatibility chart is on the internet website at www.agilent.com/find/pcg/

- ☐ **ITEL-45 CHVUB** GPIB/Parallel converter (North America, Japan, Korea and Taiwan)
- ☐ **ITEL-45 CHVEB** GPIB/Parallel converter (Continental Europe, U.K., Australia and South Africa) (requires F1011A AC adapter)
- ☐ **10833A** GPIB cable (1 meter)
- ☐ **C2950A** Parallel printer cable (2 meters)

Other Accessories

- ☐ **85620A** Mass Memory Module (standard on 8560 E-series)
- ☐ **85629B** Test and Adjustment Module (limited use on 8562E/64E/65E)
- ☐ **85700A** 32-Kbyte RAM memory card[2]
- ☐ **85702A** 128-Kbyte RAM memory card[2]
- ☐ **85901A** Portable AC power source (for use with 8560E/61E/62E/63E)
- ☐ **85902A** Burst Carrier Trigger
- ☐ **41800A** Active probe (5 Hz to 500 MHz)
- ☐ **85024A** High frequency probe (300 kHz to 3 GHz)
- ☐ **11945A** Close-field probes (with Option E51)
- ☐ **11742A** High frequency blocking capacitor (3.5 mm (f to m)), 45 MHz to 26.5 GHz, .35 dB IL <12.4 GHz, .7 dB IL <26.5 GHz)
- ☐ **5062-4841** Rack mount without handles (centers instrument in rack)[4]
- ☐ **5062-4840** Rack mount with handles (centers instrument in rack)[4]
- ☐ **5062-8241** Rack mount without handles (mounts instrument left of center)[4]
- ☐ **5062-8240** Rack mount with handles (mounts instrument left of center)[4]
- ☐ **1494-0060** Rack slide for rack mount
- ☐ **1420-0383** Memory card battery (CR 2016)
- ☐ **9211-5604** Transit case
- ☐ **08562-60021** Service accessory kit
- ☐ **1540-1130** Protective soft carrying case/backpack (same as option 042)
- ☐ **8120-6164** 50 GHz cable: 1 meter, 2.4 mm (f) and 2.4 mm (m) connectors
- ☐ **11693A** Limiter: Type-N (f) to Type-N (m), 0.1 GHz to 12.4 GHz, <2 dB insertion loss

Agilent 8560 E-Series Manuals

- ☐ **08560-90112** 8560 E-Series quick reference guide
- ☐ **5961-0435** 8560 E-Series quick reference guide in French[8]
- ☐ **5961-0436** 8560 E-Series quick reference guide in German[8]
- ☐ **5961-0437** 8560 E-Series quick reference guide in Italian[8]
- ☐ **5961-0438** 8560 E-Series quick reference guide in Spanish[8]
- ☐ **5961-6800** 8560 E-Series quick reference guide in Chinese[8]
- ☐ **08560-90110** 8560 E-Series user's guide
- ☐ **5961-6793** 8560 E-Series user's guide in French[8]
- ☐ **5961-6794** 8560 E-Series user's guide in German[8]
- ☐ **5961-6795** 8560 E-Series user's guide in Italian[8]
- ☐ **5961-6796** 8560 E-Series user's guide in Spanish[8]
- ☐ **08560-90117** 8560 E-Series user's guide in Japanese[8]
- ☐ **5960-6550** 8560 E-Series component level information manual[8]
- ☐ **08560-90132** 8560 E-Series calibration guide
- ☐ **08560-90111** 8560E service guide
- ☐ **08563-90131** 8561/63E service guide
- ☐ **08562-90209** 8562E service guide
- ☐ **08564-90014** 8564/65E service guide
- ☐ **85620-90041** 85620A installation, operation, programming and service manual

Agilent 8560 E-Series Product Literature

- ☐ **5091-3274E** 8560E/61E/63E data sheet
- ☐ **5091-3275E** 8560E/61E/63E flyer
- ☐ **5091-8182E** 8564E/65E data sheet

For user's training contact your local Agilent representative.

Notes

1. Options 002 and 005 are mutually exclusive.
2. 85620A required, 85620A includes one 32-Kbyte RAM card
3. Not compatible with Option 002 on the 8560E, not available for the 8560EL and 8562EL
4. Rack height is 8.75 inches.
5. Option 008 on 8560 series recommended
6. Option 005 on 8560 series recommended
7. Not all agency masks can be used with 8560E and 8561E.
8. Not available for the 8562E

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