
HP 8560 E-Series Spectrum Analyzers and Accessories

Configuration Guide



HP 8560E RF Spectrum Analyzer (30 Hz to 2.9 GHz)

HP 8561E RF Spectrum Analyzer (30 Hz to 6.5 GHz)

HP 8562E RF Spectrum Analyzer (30 Hz to 13.2 GHz)

HP 8563E Microwave Spectrum Analyzer (9 kHz to 26.5 GHz)

HP 8564E Millimeter-wave Spectrum Analyzer (9 kHz to 40 GHz)

HP 8565E Millimeter-wave Spectrum Analyzer (9 kHz to 50 GHz)

HP 8560EL RF Spectrum Analyzer (30 Hz to 2.9 GHz)

HP 8562EL RF Spectrum Analyzer (30 Hz to 13.2 GHz)

HP 8560 E-Series Options

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

HP 8560 E-Series Application Measurement Cards/Measurement Personalities²

✓ = compatible cards/personalities

<input type="checkbox"/> HP 85710A	Digital Radio Measurements Personality	✓ ⁷	✓ ⁷	✓	✓	✓	✓		
<input type="checkbox"/> HP 85671A	Phase Noise Measurements Utility	✓	✓	✓	✓	✓	✓		
<input type="checkbox"/> HP 85672A	Spurious Response Measurements Utility	✓	✓	✓	✓	✓	✓		

PC Software

<input type="checkbox"/> HP E4444A	Benchlink spectrum analyzer	✓	✓	✓	✓	✓	✓	✓	✓
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HP 8560 E-Series Accessories

For Scalar Measurements

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

For Extended Frequency Measurements

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

Amplifiers and Preamplifiers

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

Printers

Most Hewlett-Packard DeskJet and LaserJet (PCL 3 compatible) printers are compatible with HP 8590 series spectrum analyzers. Printer compatibility chart is on the HP internet web site at <http://www.hp.com/go/pcg/>

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

Other Accessories

- ☐ **HP 85620A** Mass Memory Module (standard on HP 8560 E-series)
- ☐ **HP 85629B** Test and Adjustment Module (limited use on HP 8562E/64E/65E)
- ☐ **HP 85700A** 32-Kbyte RAM memory card²
- ☐ **HP 85702A** 128-Kbyte RAM memory card²
- ☐ **HP 85901A** Portable AC power source (for use with HP 8560E/61E/62E/63E)
- ☐ **HP 85902A** Burst Carrier Trigger
- ☐ **HP 41800A** Active probe (5 Hz to 500 MHz)
- ☐ **HP 85024A** High frequency probe (300 kHz to 3 GHz)
- ☐ **HP 11945A** Close-field probes (with Option E51)
- ☐ **HP 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

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- ☐ **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
- ☐ **HP 11693A** Limiter: Type N (f) to type N (m), 0.1 GHz to 12.4 GHz, <2 dB insertion loss

HP 8560 E-Series Manuals

- ☐ **08560-90112** HP 8560 E-Series quick reference guide
- ☐ **5961-0435** HP 8560 E-Series quick reference guide in French⁸
- ☐ **5961-0436** HP 8560 E-Series quick reference guide in German⁸
- ☐ **5961-0437** HP 8560 E-Series quick reference guide in Italian⁸
- ☐ **5961-0438** HP 8560 E-Series quick reference guide in Spanish⁸
- ☐ **5961-6800** HP 8560 E-Series quick reference guide in Chinese⁸
- ☐ **08560-90110** HP 8560 E-Series user's guide
- ☐ **5961-6793** HP 8560 E-Series user's guide in French⁸
- ☐ **5961-6794** HP 8560 E-Series user's guide in German⁸
- ☐ **5961-6795** HP 8560 E-Series user's guide in Italian⁸
- ☐ **5961-6796** HP 8560 E-Series user's guide in Spanish⁸
- ☐ **08560-90117** HP 8560 E-Series user's guide in Japanese⁸
- ☐ **5960-6550** HP 8560 E-Series component level information manual⁸
- ☐ **08560-90132** HP 8560 E-Series calibration guide
- ☐ **08560-90111** HP 8560E service guide
- ☐ **08563-90131** HP 8561/63E service guide
- ☐ **08562-90209** HP 8562E service guide
- ☐ **08564-90014** HP 8564/65E service guide
- ☐ **85620-90041** HP 85620A installation, operation, programming and service manual

HP 8560 E-Series Product Literature

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

For user's training contact your local HP representative

Notes

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

For more information on Hewlett-Packard Test and Measurement products, applications, or services, please call your local Hewlett-Packard sales office. A current listing is available via the World-wide Web through AccessHP at <http://www.hp.com>.

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