

Test Equipment Solutions Datasheet

Test Equipment Solutions Ltd specialise in the second user sale, rental and distribution of quality test & measurement (T&M) equipment. We stock all major equipment types such as spectrum analyzers, signal generators, oscilloscopes, power meters, logic analysers etc from all the major suppliers such as Agilent, Tektronix, Anritsu and Rohde & Schwarz.

We are focused at the professional end of the marketplace, primarily working with customers for whom high performance, quality and service are key, whilst realising the cost savings that second user equipment offers. As such, we fully test & refurbish equipment in our in-house, traceable Lab. Items are supplied with manuals, accessories and typically a full no-quibble 2 year warranty. Our staff have extensive backgrounds in T&M, totalling over 150 years of combined experience, which enables us to deliver industry-leading service and support. We endeavour to be customer focused in every way right down to the detail, such as offering free delivery on sales, covering the cost of warranty returns BOTH ways (plus supplying a loan unit, if available) and supplying a free business tool with every order.

As well as the headline benefit of cost saving, second user offers shorter lead times, higher reliability and multivendor solutions. Rental, of course, is ideal for shorter term needs and offers fast delivery, flexibility, try-before-you-buy, zero capital expenditure, lower risk and off balance sheet accounting. Both second user and rental improve the key business measure of Return On Capital Employed.

We are based near Heathrow Airport in the UK from where we supply test equipment worldwide. Our facility incorporates Sales, Support, Admin, Logistics and our own in-house Lab.

All products supplied by Test Equipment Solutions include:

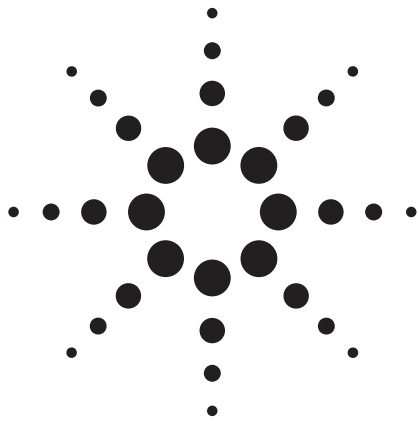
- No-quibble parts & labour warranty (we provide transport for UK mainland addresses).
- Free loan equipment during warranty repair, if available.
- Full electrical, mechanical and safety refurbishment in our in-house Lab.
- Certificate of Conformance (calibration available on request).
- Manuals and accessories required for normal operation.
- Free insured delivery to your UK mainland address (sales).
- Support from our team of seasoned Test & Measurement engineers.
- ISO9001 quality assurance.

Test equipment Solutions Ltd
Unit 8 Elder Way
Waterside Drive
Langley
Berkshire
SL3 6EP

T: +44 (0)1753 596000
F: +44 (0)1753 596001

Email: info@TestEquipmentHQ.com
Web: www.TestEquipmentHQ.com





Agilent 8590 C/E/L/Q and EM Series

Spectrum Analyzers and Accessories

Configuration Guide



8591C Cable TV Analyzer (1 MHz to 1.8 GHz)
8591E RF Spectrum Analyzer (9 kHz to 1.8 GHz)
8593E Microwave Spectrum Analyzer (9 kHz to 22 GHz)
8594E RF Spectrum Analyzer (9 kHz to 2.9 GHz)
8595E RF Spectrum Analyzer (9 kHz to 6.5 GHz)
8596E Microwave Spectrum Analyzer (9 kHz to 12.8 GHz)
8590L Spectrum Analyzer (9 kHz to 1.8 GHz)
8592L Microwave Spectrum Analyzer (9 kHz to 22 GHz)

8594L RF Spectrum Analyzer (9 kHz to 2.9 GHz)
8594Q QAM Analyzer (9 kHz to 2.9 GHz)
8591EM EMC Analyzer (9 kHz to 1.8 GHz)
8593EM EMC Analyzer (9 kHz to 22 GHz)
8594EM EMC Analyzer (9 kHz to 2.9 GHz)
8595EM EMC Analyzer (9 kHz to 6.5 GHz)
8596EM EMC Analyzer (9 kHz to 12.8 GHz)



Agilent Technologies

Innovating the HP Way

Agilent 8590 C/E/L/Q and EM Series Options

Option	Description	Opt Card Slots Req'd (4 max)	✓ = compatible										8590EM Series
			8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	
☐ 001	75 Ohm input impedance	0	Std	✓					✓				
☐ 003	Memory card reader	0	Std	Std		Std	Std	Std	✓	✓	✓	Std	Std
☐ 004	Precision frequency reference	0	Std	✓	✓	✓	✓	✓				Std	✓
☐ 009	Local oscillator and sweep + tune outputs (rear panel)	1 ²⁸			✓	✓	✓	✓					✓ ¹⁴
☐ 010	Built-in tracking generator, 50 Ohm (100 kHz–1.8 GHz)	0	✓	✓					✓				✓
☐ 010	Built-in tracking generator, 50 Ohm (9 kHz–2.9 GHz)	1 ²⁸			✓	✓	✓	✓					✓
☐ 011	Built-in tracking generator, 75 Ohm (100 kHz–1.8 GHz)	0	✓	✓					✓				
☐ 012	DECT source	2			✓	✓	✓	✓					
☐ 015	Protective soft tan carrying/operating case	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 016	Protective soft yellow operating/carrying case	0	Std	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 026	Frequency extension to 26.5 GHz (APC 3.5 mm connector)	0		✓	✓					✓			✓ ²
☐ 027	Frequency extension to 26.5 GHz (type-N connector)	0		✓	✓					✓			✓ ²
☐ 030	Adds 85921B Cable TV Data Management S/W for FCC ³¹	0	✓										
☐ 040	Front panel protective cover w/CRT viewing hood	0		✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ 041	GPIO interface and parallel printer interface ^{4,22}	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	Std	Std
☐ 042	Protective soft carrying case/backpack ²¹	0		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 043	RS-232 interface and parallel printer interface ^{4,22}	0	Std	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 050	Improved amplitude accuracy for NADC-TDMA/PCS bands	0		✓	✓	✓	✓	✓					
☐ 051	Improved amplitude accuracy for PDC bands	0		✓	✓	✓	✓	✓					
☐ 052	Improved amplitude accuracy for PHS band	0		✓	✓	✓	✓	✓					
☐ 053	Improved amplitude accuracy for CDMA/PCS bands	0		✓	✓	✓	✓	✓					
☐ 078	Adds 85878A report generation software												✓
☐ 080	Delete manual set	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ 101	Fast time-domain sweeps and Analog + display	1	Std	✓	✓	✓	✓	✓					✓
☐ 102	AM/FM demod. with speaker and TV sync. trigger ^{5,24}	1	Std	✓	✓	✓	✓	✓					✓
☐ 103	Quasi-peak detector and AM/FM demod with speaker ²⁴	1		✓	✓	✓	✓	✓					Note ³
☐ 105	Time-gated spectrum analysis	0		✓	✓	✓	✓	✓					
☐ 107	TV receiver video tester ²²	1	✓	✓	✓	✓	✓	✓					
☐ 110	CT2 demodulator ^{5,24}	1		✓	✓	✓	✓	✓					
☐ 111	Group delay w/compatible tracking generator ²⁴	2			✓	✓	✓	✓					
☐ 112	DECT demodulator ²⁴	1			✓	✓	✓	✓					
☐ 119	Noise figure ⁷	1	✓	✓	✓	✓	✓	✓					
☐ 130	Narrow resolution bandwidths (30 Hz, 100 Hz, 300 Hz and 200 Hz EMI)	1	✓	✓	✓	✓	✓	✓					Std
☐ 140	Narrow resolution bandwidths/precision frequency reference (Opt 004 and 130)	1		✓	✓	✓	✓	✓					
☐ 151	DSP, fast ADC, and digital demodulator ²³	2		✓ ²⁵	✓	✓	✓	✓					
☐ 160	PDC, PHS, NADC, and CDMA firmware for Option 151 ³⁵	0		✓ ²⁵	✓	✓	✓	✓					

Agilent 8590 C/E/L/Q and EM Series Options (continued)

Option	Description	Opt Card Slots Req'd (4 max)	✓ = compatible										8590EM Series
			8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	
☐ 163	GSM900/DCS1800 firmware for Option 151 ³⁵	0			✓	✓	✓	✓	✓				
☐ 180	TV picture on screen (NTSC, PAL, and SECAM) ³²	1	✓	✓	✓	✓	✓	✓					
☐ 190	DVB-C RF and modulation quality measurements	3										✓	
☐ 195	R-S and true BER and PID statistics data measurements	1										✓	
☐ 301	TV sync. trigger capability, fast time domain demodulator, and Analog + display (Option 101 and 102) ³⁴	2	Std	✓	✓	✓	✓	✓					✓
☐ 701	Delete TV sync. trigger capability, fast time domain sweeps, AM/FM demodulator and Analog + display (Options 101 and 102)	-2	✓										
☐ 703	Delete quasi-peak detector and AM/FM demodulator	-1	✓										✓
☐ 704	Delete precision frequency reference	0	✓										
☐ 711	50/75 Ohm matching pad with 100V DC block	0		✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ 908	Rack mount kit without handles		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 909	Rack mount kit with handles		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 910	Additional user's guide, calibration guide, and quick reference guide		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 915	Component level information and service guide		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ AB_	Quick reference guide in local languages ⁸		✓ ¹⁶	✓	✓	✓	✓	✓					
☐ E04	DRTS compatibility	2											Note ¹
☐ H80	PAL/SECAM TV monitor ²³	0							✓	✓			
☐ H81	NTSC TV monitor	0							✓	✓			
☐ 8ZE	Refurbished spectrum analyzer (as available)												Contact an Agilent representative for availability
☐ 008	Factory service training		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ UK6	Commercial calibration certificate with test data		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ W30	Two additional years return-to-Agilent service ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W32	Two additional years return-to-Agilent calibration ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W34	3 year standards compliant calibration service			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W50	Four additional years return-to-Agilent service ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W52	Four additional years return-to-Agilent calibration ⁹		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ W54	5 year standards compliant calibration service		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ B70	BenchLink spectrum analyzer	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ BD0	Code division multiple access	2		✓	✓	✓	✓	✓					
☐ BD1	Global system for mobile communication	2		✓	✓	✓	✓	✓					
☐ BD2	North American digital cellular system	2		✓	✓	✓	✓	✓					
☐ BD3	Pacific digital cellular system	2		✓	✓	✓	✓	✓					
☐ BD4	Personal handyphone system	2		✓	✓	✓	✓	✓					

Agilent 8590 C/E/L/Q and EM Series Retrofit Kits¹⁰

(for option installation after analyzer purchase)

Option	Description	Opt Card Slots Req'd (4 max)	✓ = compatible										8590EM Series
			8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	
☐ R01	Fast time-domain sweeps and analog + display	1	✓	✓	✓	✓	✓	✓					
☐ R02	AM/FM demodulator with speaker and TV sync trigger circuitry ⁵	1	✓	✓	✓	✓	✓	✓					
☐ R03	Memory card reader	0	Std	Std	Std	Std	Std	Std	✓	✓	✓	Std	Std
☐ R04	Precision frequency reference	0	✓	✓	✓	✓	✓	✓					Std
☐ R05	CT2 demodulator ^{6,24}	1	✓	✓	✓	✓	✓	✓					
☐ R06	DECT demodulator ²⁴	1	✓	✓	✓	✓	✓	✓					
☐ R07/R17	TV receiver/video tester ¹	1	✓	✓	✓	✓	✓	✓					
☐ R10	Built-in tracking generator, 50 Ohm (100 kHz to 1.8 GHz)	0		✓					✓				
☐ K10	Built-in tracking generator, 50 Ohm (9 kHz to 2.9 GHz) ¹⁷	1		✓	✓	✓	✓	✓					
☐ R11	Built-in tracking generator, 75 Ohm (100 kHz to 1.8 GHz)	0	✓	✓					✓				
☐ R15	Time-gated spectrum analysis	0		✓	✓	✓	✓	✓					
☐ R16	Protective soft yellow operating/carrying case	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ R19	Noise figure ⁷	1	✓	✓	✓	✓	✓	✓					
☐ R21	GPiB interface ^{4,22,27}	0	✓	✓	✓	✓	✓	✓	✓	✓			
☐ R23	RS-232 interface ^{4,22,27}	0	✓	✓	✓	✓	✓	✓	✓	✓			
☐ R24	Parallel printer interface ^{22,27}	0	✓	✓	✓	✓	✓	✓	✓	✓			
☐ R25	Protective soft tan operating/carrying case	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ R30	Narrow resolution bandwidths	1	✓	✓	✓	✓	✓	✓					Std
☐ R41	GPiB interface and parallel printer interface ^{4,22,26}	0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
☐ R43	RS-232 interface and parallel printer interface ^{4,22,26}	0	Std			✓	✓	✓	✓	✓	✓	✓	
☐ R50	Improved amplitude accuracy for NADC-TDMA/PCS bands	0		✓		✓	✓	✓					
☐ R51	Improved amplitude accuracy for PDC bands	0		✓		✓	✓	✓					
☐ R52	Improved amplitude accuracy for PHS band	0			✓	✓	✓	✓					
☐ R53	Improved amplitude accuracy for CDMA/PCS cellular bands	0		✓	✓	✓	✓	✓					
☐ R60	PDC, PHS, NADC, and CDMA firmware for Option 151 ³⁵	0		✓ ³⁵	✓	✓	✓	✓					
☐ R63	GSM900/DCS1800 firmware for Option 151 ³⁵	0			✓	✓	✓	✓					
☐ R70	PDC/PHS/NADC/CDMA FW+Opt 151 retro. kit ³⁵	2		✓ ³⁵	✓	✓	✓	✓					
☐ R73	DSP, fast ADC, and digital demodulator with GSM900/DCS1800 firmware ³⁵	2			✓	✓	✓	✓					
☐ R80	TV picture on screen (NTSC, PAL, and SECAM)	1	✓	✓	✓	✓	✓	✓					
☐ R95	R-S and true BER and PID statistics data measurements	1										✓	
☐ 11768A	Group delay retrofit kit	1			✓	✓	✓	✓					
☐ 11946A	Quasi-peak detector and AM/FM demod retrofit kit	1		✓	✓	✓	✓	✓					

Agilent 8590 C/E/L/Q and EM Series Measurement Personalities¹³

✓ = compatible

Option	Description	8591C	8591E	8593E	8594E	8595E	8596E	8590L	8592L	8594L	8594Q	8590EM Series
☐ 85700A	32 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 85702A	128 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 85704A	256 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 85705A	512 Kbyte blank memory card (RAM) ¹¹	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
☐ 11770A	Link measurements personality ³⁰			✓	✓	✓	✓					
☐ 85712D	EMC measurements personality ¹²		✓	✓	✓	✓	✓					
☐ 85713A	Digital radio measurements personality ¹¹			✓	✓	✓	✓		✓			
☐ 85714A	Scalar measurements personality ¹¹	✓	✓	✓	✓	✓	✓	✓				
☐ 85715B	GSM900 measurements personality with modulation accuracy ¹⁹		✓	✓	✓	✓	✓					
☐ 85717A	CT2-CAI measurements personality		✓	✓	✓	✓	✓					
☐ 85718B	NADC/PCS -TDMA measurements personality ¹⁹		✓	✓	✓	✓	✓					
☐ 85719A	Noise figure measurements personality	✓	✓	✓	✓	✓	✓					
☐ 85720BC	PDC measurements personality upgrade kit: B to C		✓	✓	✓	✓	✓					
☐ 85720C	PDC measurements personality with modulation accuracy ¹⁹		✓	✓	✓	✓	✓					
☐ 85721A	Cable TV measurements personality with video tests ^{11,13,15}	Std	✓	✓	✓	✓	✓	✓	✓		✓	
☐ 85722B	DCS1800 measurements personality with modulation accuracy		✓	✓	✓	✓	✓					
☐ 85723A	DECT measurements personality		✓	✓	✓	✓	✓					
☐ 85724A	Broadcast measurements personality		✓	✓	✓	✓	✓					
☐ 85725C	CDMA measurements personality		✓	✓	✓	✓	✓					
☐ 85725CU	CDMA measurements personality upgrade kit: B to C		✓	✓	✓	✓	✓					
☐ 85726AB	PHS measurements personality upgrade kit: A to B		✓	✓	✓	✓	✓					
☐ 85726B	PHS measurements personality with modulation accuracy		✓	✓	✓	✓	✓					
☐ 85727A	GSM Multi-band measurement personality		✓	✓	✓	✓	✓					
☐ 85727AU	GSM Multi-band upgrade		✓	✓	✓	✓	✓					
PC Software												
☐ 85921B	Cable TV data management S/W for FCC ³¹	✓	✓ ³⁰	✓ ³³	✓ ³⁰	✓ ³³	✓ ³³	✓ ³³	✓ ³³	✓ ³³	✓	
☐ E4444A	Benchmark spectrum analyzer	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

Agilent 8590 C/E/L/Q and EM Series Accessories

For Scalar Measurements

- **85630A** Scalar 50 Ohm transmission/reflection test set
- **86205A** 50 Ohm RF bridge (type-N(f), 300 kHz to 6 GHz, 1.5 dB +0.1 dB/GHz insertion loss)
- **86207A** 75 Ohm RF bridge (type-N(f), 300 kHz to 3 GHz, 1.5 dB +0.1 dB/GHz insertion loss)

For EMC Measurements

- **11945A** Close field probe set (9 kHz to 1 GHz) (with Option E51)¹⁶
- **11947A** Transient limiter (BNC(f) to type-N(m), 9 kHz to 200 MHz, 10 dB insertion loss)

Printers and Accessories

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

- **10833A** GPIB cable (1 meter)
- **24542U** RS-232 cable 3 meter (9 pin F to 9 pin F) Option 043 only (for RS-232 9 pin PC connection to analyzer)
- **24542G** RS-232 cable 3 meter (25 pin M to 9 pin F) Option 043 only (for RS-232 25 pin PC or printer connection to analyzer)
- **24542M** RS-232 cable 3 meter (25 pin M to 9 pin F) Option 043 only (for RS-232 25 pin modem connection to analyzer)
- **C2932A** RS-232 cable 3 meter (9 pin M to 9 pin F) Option 043 only (for serial 9 pin LaserJet 4P/4Plus connection to analyzer)
- **13242G** RS-232 cable (5 meter) (for Option 023 only)
- **C2950A** Parallel printer cable (2 meter)
- **ITEL-45CHVUB** GPIB/Parallel converter (North America, Japan, Korea, and Taiwan)
- **ITEL-45CHVEB** GPIB/Parallel converter (Continental Europe, U.K., Australia, and South Africa) (requires F1011A AC adapter)

Amplifiers and Preamplifiers

- **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)
- **85905A** 75 Ohm preamplifier (45 MHz to 1GHz, 20 dB gain)
- **87405A** Amplifier (10 MHz to 3 GHz, 22 dB gain)
- **87415A** Amplifier (2 GHz to 8 GHz, 25 dB gain)

Other Accessories

- **D4950A** Keyboard
- **346B** Noise source (BNC(f) to APC 3.5(m), 10 MHz to 18 GHz)
- **11693A** Limiter (type-N(f) to type-N(m), 0.1 GHz to 12.4 GHz, <2.0 dB insertion loss)
- **11694A** 75/50 Ohm matching transformer (BNC(f) to BNC(m), 3 MHz-500 MHz, <.75 dB insertion loss)
- **0955-1020** 50 to 75 Ohm adapter. Same as Opt. 711
- **11742A** High frequency blocking capacitor (3.5mm(f to m)), 10 MHz to 26.5 GHz, .35 dB IL <12.4 GHz, .7 dB IL <26.5 GHz)
- **11852B** Order with Option C04, 75/50 Ohm min. loss pad (type-N(f) to type-N(m), DC to 2 GHz, 5.7 dB insertion loss)

- **11867A** RF Limiter (type-N(f) to type-N(m), DC to 1.8 GHz, <.75 dB insertion loss)
- **11930B** Power limiter (5 MHz to 6 GHz)
- **41800A** Active probe (5 Hz to 500 MHz)
- **85024A** High frequency probe (300 kHz to 3 GHz)
- **85901A** Portable AC power source
- **85902A** Burst carrier trigger
- **1420-0383** Memory card battery (CR 2016)
- **1494-0060** Rack slide for rack mount
- **08590-60369** RS-232/parallel connector assembly to convert Opt. 041 (GPIB) to Opt. 043 (RS-232)
- **08590-60368** GPIB/parallel connector assembly to convert Opt. 043 (RS-232) to Opt. 041 (GPIB)
- **9211-5604** Transit case
- **5062-4841** Rack mount without handles²⁰ (centers instrument in rack)
- **5062-4840** Rack mount with handles²⁰ (centers instrument in rack)
- **5062-8240** Rack mount with handles²⁰ (mounts instrument left of center)
- **5062-8241** Rack mount without handles²⁰ (mounts instrument left of center)
- **5180-9055** CRT viewing hood (sun shield)
- **5063-0654** Frequency accuracy retrofit kit for 8590B and 8590D

Agilent 8590 C/E/L/Q-Series Manuals

- **08590-90234** 8590 E/L Series user's guide
- **08590-90243** 8590 E/L Series quick reference guide
- **08590-90235** 8590 Series programmer's guide
- **5960-6588** 8590 E/L Series quick reference guide in French
- **5960-6590** 8590 E/L Series quick reference guide in German
- **5960-6592** 8590 E/L Series quick reference guide in Italian
- **5960-6594** 8590 E/L Series quick reference guide in Spanish
- **5960-6596** 8590 E/L Series quick reference guide in Japanese
- **08590-90260** 8590 E/L Series user's guide for Taiwan in Chinese
- **08590-90261** 8590 E/L Series user's guide for China in Chinese
- **5962-5001** 8590 E/L Series user's guide in French
- **5962-5002** 8590 E/L Series user's guide in German
- **08590-90286** 8590 E/L Series user's guide in Italian
- **5962-5004** 8590 E/L Series user's guide in Spanish
- **08590-90269** 8590L calibration guide
- **08594-90183** 859x C/E Series calibration guide
- **08592-90082** 8592L calibration guide
- **5963-2950** 8590 C/E/L/Q Series assembly level repair guide
- **5963-2951** 8590 C/E/L/Q Series component level repair guide
- **08591-90129** 8591C Cable TV analyzer user's guide, spectrum analyzer reference
- **08591-90176** 8591C Cable TV analyzer user's guide, cable TV measurements
- **08591-90130** 8591C getting started and quick reference guide

Agilent 8590 C/E/L/Q and EM Series Notes

1. For more information please contact your local Agilent sales representative.
2. 8593 EM only
3. Quasi-peak detection and AM/FM demodulator is standard on 8590 EM-series and has additional capacity compared to Option 103.
4. Programming manual included
5. Options 101 and 102 required for TV sync trigger capability. See Option 301.
6. 85717A measurement personality required
7. 85719A measurement personality required
8. ABF Quick reference and user's guides in French
ABD Quick reference and user's guides in German
ABZ Quick reference and user's guides in Italian
ABE Quick reference and user's guides in Spanish
ABJ Quick reference guide in Japanese
AB0 Quick reference guide for Taiwan in Chinese
AB2 Quick reference guide for China in Chinese
9. An incremental cost will be added to the base price of Options W30/W32/W34/W50/W52/W54 for an 859xC/E/L/Q containing Options 010, 011, or 130.
10. Parts only kits. No installation included. May require new analyzer firmware.
11. Option 003 (card reader) on the 8590L, 8592L and 8594L is required.
12. For more information on EMC products and configurations see lit. number 5964-6089E.
13. Refer to measurement personality product literature for required 8590 series option configuration.
14. Except 8591 EM
15. Video tests not supported on 8590L, 8592L or 8594L.
16. Option E51 comes with preamplifier, carrying case, cables and connectors.
17. Tracking generator retrofit requires factory installation of Option K10.
18. Cable TV measurements are formatted for local country's cable TV standards.
19. Modulation accuracy measurements not supported on 8591E.
20. Rack height is 8.75 inches.
21. Not for analyzer operation while in carrying case
22. Options 021, 023 and 024 or 041 and 043 cannot be combined
23. Not compatible with Option 107
24. Not compatible with other demodulator options (102, 103, 110, 112, or 301).
25. Compatibility with 8591E limited to CDMA applications only
26. Compatible with serial prefixes 3523A or 3525U and higher
27. Compatible with serial prefixes lower than 3523A or 3525U
28. If Options 009 and 010 are combined on the 8593E/94E/95E/96E or 8590 EM series; only one option card slot is required.
29. Not compatible with Options 101 and 301
30. Requires Option 111. Not compatible with 8591E.
31. NTSC Cable TV analyzers only
32. Option 107 is not compatible with Option 180.
33. 85721 Cable TV measurement personality required
34. 11770A Link measurements personality required. Do not order Option 010 with Option 111.
35. Option 160 and 163 are not compatible.

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(fax) (61 3) 9272 0749

New Zealand:

(tel) 0 800 738 378

(fax) (64 4) 495 8950

Asia Pacific:

(tel) (852) 3197 7777

(fax) (852) 2506 9284

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