

KEYSIGHT TECHNOLOGIES (AGILENT HP)

8561EC

The Keysight (Agilent/HP) 8561EC is a portable, color-display RF spectrum analyzer covering 30 Hz to 6.5 GHz with synthesized tuning. It provides fast 1–100 Hz digital resolution bandwidths, precision timebase with 1 Hz counter resolution, and built-in time-gated analysis for burst, pulsed, and time-varying signals. External harmonic and preselected mixer support enables economical millimeter-wave measurements.

SPECIFICATIONS

General

Interfaces	GPIB (IEEE-488)
Display	Color display
Series	8560 EC Series

RF Frequency and Tuning

Frequency range	9 kHz to 6.5 GHz
Synthesized tuning	Yes

Sweep and Span

Time-gated signal analysis	Standard
Zero-span mode	Supported
Suited for pulsed RF	Yes (time-gated)
Suited for TDMA/interleaved/burst signals	Yes (time-gated)

External Mixing / Frequency Extension (Optional)

External harmonic mixer support	Agilent 11970 series
External preselected mixer support	Agilent 11974 series
Millimeter-wave extension	Via external 11970/11974 mixers

Display and User Interface

Display type	Color display
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Options and Configurations

Time-gated measurements	Standard capability
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Physical

Form factor	Portable spectrum analyzer
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