



HP 3586C



HP 3586C Selective Level Meter

The HP 3586C Selective Level Meter is designed for general-purpose wave analysis applications in the design, manufacture, and maintenance of electronic systems. The HP 3586C is fully HP-IB programmable and covers the frequency range of 50 Hz to 32.5 MHz, allowing measurement of audio, sonar, and other low-frequency systems, as well as high-frequency communications subsystems. Input impedances of 50, 75, and 600 Ω are provided with 10 k Ω bridging for maximum measurement flexibility in a wide variety of applications. Signal levels are measured with up to ± 0.2 dB accuracy down to -80 dB, with 0.01 dB resolution and bandwidth choices of 20, 400, or 3100 Hz. The built-in counter and narrow-resolution bandwidths allow harmonic and intermodulation measurements to be made with ease. Frequency can be set or measured with 0.1 Hz resolution and ± 10 ppm stability (± 0.2 ppm optional).

For frequency response measurement of high-Q filters and other selective networks, the companion HP 3336C synthesizer/level generator functions as a full-featured, HP-IB programmable tracking generator. Frequency range for the HP 3336C is 10 Hz to 21 MHz, with precise output levels from -70 to $+8$ dBm.

HP 3586C Specifications (abbreviated)

Frequency

Range: 50/70 Ω unbalanced input, 50 Hz to 32.5 MHz; 600 Ω balanced input, 50 Hz to 108 kHz

Resolution: 0.1 Hz

Center frequency accuracy: $\pm 1 \times 10^{-5}$ /year ($\pm 2 \times 10^{-7}$ /year with option 004).

Selectivity

3dB bandwidth: $\pm 10\%$: 20 Hz, 400 Hz, 3100 Hz

Pass band flatness: ± 0.3 dB

Level accuracy (+20 to -80 dB):

± 0.20 dBm, 20 kHz to 18 MHz

± 0.25 dBm, 18 MHz to 32.5 MHz

Ordering Information

	Price
HP 3586C Selective Level Meter	\$12,700
Opt 004 High-Stability Frequency Reference	+ \$775
Opt 907 Front Panel Handles	+ \$68
Opt 908 Rack Flange Kit	+ \$37
Opt 909 Rack Flange & Handle Combination Kit	\$95
Opt W30 Extended repair service. See page 671.	\$280