

HP 5343A

DESIGNED FOR
HP-IB
SYSTEMS

HP 5342A and HP 5343A CW Microwave Counters

The HP 5342A and HP 5343A Microwave Counters provide automatic frequency measurements to 18 and 26.5 GHz, respectively. The HP 5342A can be extended to measure up to 24 GHz with Option 005. Other features and capabilities include:

- Highly portable packaging
- Amplitude measurements, 0.1 dBm resolution (Option 002, HP 5342A)
- FM tolerance (peak-to-peak FM deviation to 50 MHz)
- Digital-to-analog conversion (Option 004)

HP 5345A Universal Systems Counter

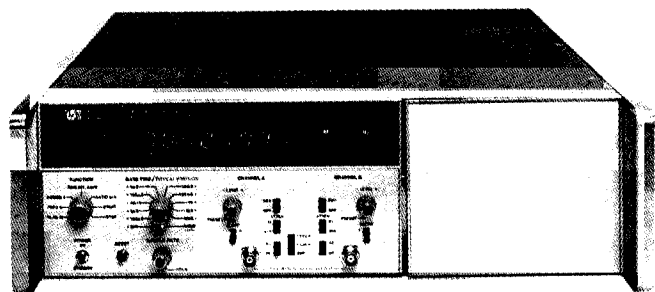
The HP 5345A is a full-function universal counter that provides versatile, high-speed measuring capabilities. Measurements can be read out over HP-IB at speeds up to 9000 readings/second. Other features include:

- 500 MHz; extendable with the HP 5355A and HP 5356A/B/C/D
- 2-ns resolution time-interval measurements (jitter analysis)
- 25-mV sensitivity to 500 MHz
- High-throughput frequency, period, ratio, totalize, and scale

HP 5355A and HP 5356A/B/C/D CW Microwave Counters

The HP 5355A Automatic Frequency Converter, together with the HP 5356A/B/C/D Frequency Converter Heads, increase the pulse and CW frequency measurement capabilities of the HP 5345A to 18, 26.5, 40, and 110 GHz, respectively.

All of these counters characterize pulsed signals, with the 110-GHz version detecting incoming RF bursts as short as 75 ns. All are characterized by sensitivity to -25 dBm and 100-Hz measurement resolution.



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Ordering Information

HP 5342A Frequency Counter	Price \$13,300
HP 5343A Frequency Counter	\$15,250

Options and Accessories (HP 5342A, 5343A)

Opt 001 High-Stability Timebase	+ \$990
Opt 002 Amplitude Measurement (HP 5342A Only)	+ \$2,750
Opt 003 Extended Dynamic Range (HP 5342A Only)	+ \$1,100
Opt 004 Digital-To-Analog Converter	+ \$440
Opt 005 Frequency to 24 GHz (HP 5342A Only)	+ \$550
Opt 006 Limiter Input Protection (+39 dBm)	
HP 5342A	+ \$1,200
HP 5343A	+ \$825
Opt 011 Digital I/O (HP-IB) (cable not included)	+ \$605
Opt 908 Rack Flange Kit	+ \$125
HP K70-59992A Rack Mounting Adapter Kit (with slot for access of front connectors from rear)	+ \$450

HP 5345A Plug-In Counter

Opt 011 HP-IB Includes remote programming.	+ \$1,750
Opt 012 HP-IB Similar to Opt 011, but also includes slope and trigger-level controls.	+ \$1,850
Opt 908 Rack Flange Kit, HP 5060-8740	+ \$100

HP 5355A Automatic Frequency Converter	\$15,225
HP 5356A 18 GHz Frequency Converter	\$4,500
HP 5356B 26.5 GHz Frequency Converter	\$4,500
HP 5356C 40 GHz Frequency Converter	\$5,300
HP 5356D 36 to 110 GHz Harmonic Mixer Driver	\$14,125

Options for HP 5356A

Opt 001 High-Pass Filter	+ \$750
Opt 006 Limiter	+ \$1,100

Options for HP 5356B

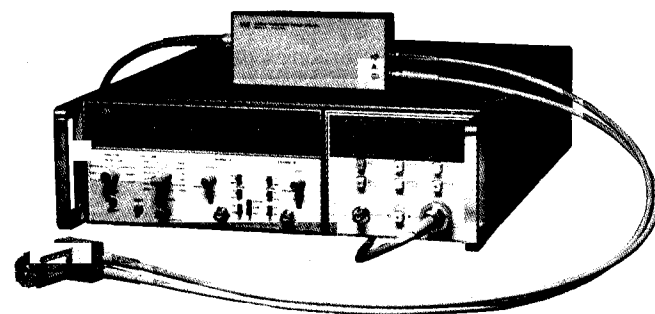
Opt 001 18 to 26.5 GHz Waveguide (WR-42)	+ \$1,700
Opt 006 Limiter	+ \$950

Options for HP 5356C

Opt 001 26.5 to 40 GHz Waveguide (WR-28)	+ \$1,700
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Options for HP 5356D (Requires an HP 5355A with S/N prefix greater than 2620-xxxx)

Opt 005 (two HP 5061-5458 parts) 2 cables to connect HP 5356D to HP 1197Q/U/V or W	+ \$300
Opt 050 (HP 11970Q) 36 GHz to 50 GHz Harmonic Mixer	+ \$2,000
Opt 060 (HP 11970U) 40 GHz to 60 GHz Harmonic Mixer	+ \$2,300
Opt 075 (HP 11970V) 50 GHz to 75 GHz Harmonic Mixer	+ \$2,800
Opt 110 (HP 11970W) 75 GHz to 110 GHz Harmonic Mixer	+ \$3,100



HP 5345A with the HP 5355A and HP 5356D

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For the most current prices and product information, contact your local Hewlett-Packard sales office—see page 654.