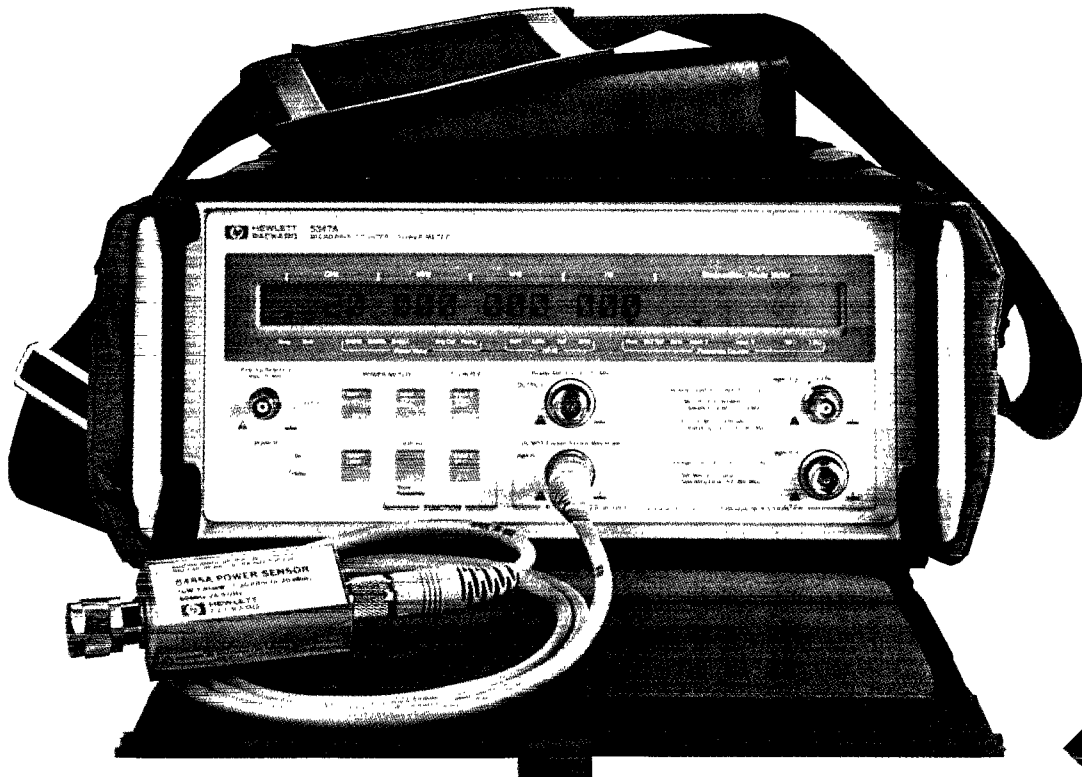


# ELECTRONIC COUNTERS

## Microwave Counter/Power Meter

HP 5347A, 5348A

- Quick, easy power and frequency measurements
- Portable; battery operation
- Built-in sensor calibration tables
- Supports many HP power sensors



HP 5347A with optional soft carrying case and HP 8485A power sensor

### HP 5347A and HP 5348A Microwave Counter/Power Meters

The HP 5347A and HP 5348A microwave counter/power meters offer the convenience of a single instrument that meets both your frequency and power measurement needs. The HP 5347A counter/power meter makes these measurements to 20 GHz; the HP 5348A, to 26.5 GHz. Both counter/power meters offer the accuracy and resolution that previously required a standalone counter and a separate power meter. Measurements are easy. The HP 5347A and 5348A are designed for ease of use; they have only five function keys. They are rugged, lightweight, and battery powered.

#### True Power Meter Performance

As power meters, the HP 5347A and 5348A offer excellent dynamic range, linearity, and accuracy. They use the same proven power sensors used with Hewlett-Packard's standalone power meters. Power sensors and accurate, wide-range measurements go hand in hand.

Power measurements can be made from  $-70$  dBm to  $+20$  dBm over a 10 MHz to 26.5 GHz frequency range, depending on the sensors used. Exceptional power-meter linearity and low sensor SWR combine to give you outstanding measurement accuracy. The instrumentation accuracy is  $\pm 0.5\%$  in linear mode or  $\pm 0.02$  dB in logarithmic mode, making power-meter uncertainty a negligible part of your total measurement error.

#### Outstanding Frequency Measurements

The frequency counter performance rivals that of HP's highest-performance standalone CW microwave counters. The HP 5347A measures frequency from 10 Hz to 20 GHz; the HP 5348A, from 10 Hz to 26.5 GHz. You can select either 1 Hz or 10 kHz resolution while measuring signals down to  $-35$  dBm.

#### Portable, Easy to Use

The HP 5347A and 5348A come in a rugged, lightweight, and portable package. Several features have been designed in for quick and easy, portable measurements. An internal-battery option, for example, provides up to two hours of cordless measurements.

#### Designed for Measurement Ease

How many times have you purchased test equipment only to find that you never use most of the available functionality? The excess functionality only clutters the front panel and makes measurements difficult. Hewlett-Packard recognizes the importance of quick and easy measurements to field service personnel. The HP 5347A and HP 5348A are designed for ease of use.

#### Five Function Keys Simplify Operation

Unnecessary functions were designed out of the HP 5347A and HP 5348A counter/power meters. Only five function keys are required to make accurate frequency and power measurements. The chance of getting an incorrect reading due to instrument setup is almost eliminated. Little or no time is required to learn how to use these instruments. A one-page starter guide is shipped with every instrument.

#### No Need for Calibration Tables

An average calibration table is permanently stored in memory. You no longer need to spend time entering power sensor calibration factors. Using average calibration tables results in only a slight reduction in overall measurement accuracy. With the HP 5347A and 5348A, the press of a single key stores a frequency measurement for use in a power measurement. The stored frequency is then used to access the power sensor calibration factor in the permanently stored calibration-factor-versus-frequency tables.