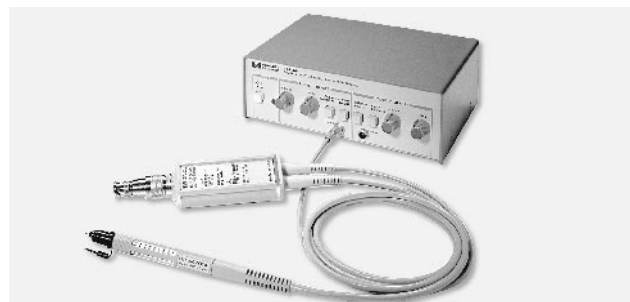


# Oscilloscope Probes & Accessories

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## Active, Resistive Divider and Current Probes

HP 1143A  
HP 1144A  
HP 1146A  
HP 10020A  
HP 54006A  
HP 54701A



### HP 54701A 2.5 GHz, 0.6 pF Active Probe with HP 1143 Power Supply

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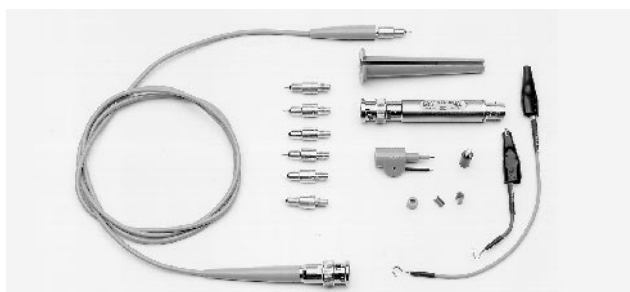
The HP 54701A 2.5 GHz, 10:1 active probe provides ultra-low loading of the device-under-test because of its low 0.6 pF capacitive loading and its high 100 KOhm resistive loading. Its 40Vac maximum input voltage,  $\pm 15$  KV ESD tolerance and replaceable probe tips make the probe extremely reliable.

The HP 1143A probe offset and power module provides power for 2 HP 54701A probes with any instrument with 50 Ohm input impedance. The power supply is not required if the probe is used with the HP 54700 series oscilloscopes.



### HP 1144A 800 MHz Active Probe

The HP 1144A features 800-MHz bandwidth, 1 M $\Omega$  input resistance, 2 pF input capacitance, 10:1 attenuation, and  $\pm 40$  Vdc + peak ac maximum-input voltage. The HP 1144A can access power directly from the HP 54520 and HP 54540 series and the HP 54615B and HP 54616B oscilloscopes. These oscilloscopes provide power for two channels of active probing. If four channels of probing are needed, a special one-input, two-output adapter is available (p/n 01144-61604). Two adapters are needed for four channels of probing. If the HP 1144A is used with any scope not listed above, then the HP 1142A power supply is required. The HP 01144-61604 adapter can be used with this power supply to provide power for two channels of active probing.



### HP 10020A Resistive Divider Probe Kit

The HP 10020A Resistive Divider Probe Kit is for measuring fast transition signals in high-impedance systems. It is designed for use with oscilloscopes with 50 Ohm inputs but may be used with other than 50 Ohm systems if a 50 Ohm feedthrough termination is used. The kit includes 6 resistive dividers ranging from 1:1, 50 Ohm to 100:1, 5 KOhm and has an input capacitance of less than 0.7 pF.



### HP 54006A 6-GHz Passive Divider Probe

The low 0.25 pF input capacitance and sophisticated ground design of the HP 54006A probe lets you probe multi-GHz systems with minimal loading of the circuit-under-test. The small size of this probe also allows you to access very small components. The HP 54006A is supplied with 10:1, 500  $\Omega$ , and 20:1, 1 k $\Omega$  resistive dividers.



### HP 1146A Oscilloscope AC/DC Current Probe

This AC/DC current probe expands oscilloscope applications into industrial, automotive or power environments, and is ideal for analysis and measurement of distorted current waveforms and harmonics. This probe permits accurate display and measurement of currents from 100 mA to 100 A rms, dc to 100 kHz without breaking into the circuit. The 1146A uses Hall-effect technology to measure ac and dc signals. Compatible with any scope or voltage measuring instrument with BNC input, 0.2 to 0.5 V/div, and a minimum input impedance of 1 MOhm. 1 mV/100 mA Range; Output Signal: 10 mV/A ac/dc. 1mV/10mA Range; Output Signal: 100 mV/A ac/dc. Working Voltage: 660 V max., Battery: 9 V alkaline.

### Ordering Information

HP 1143A Probe Offset and Power Module  
HP 1144A 800 MHz Active Probe  
HP 01144-61604 Adapter (1144A)  
HP 1146A Oscilloscope AC/DC Current Probe  
HP 10020A Resistive Divider Probe Kit  
HP 54006A 6-GHz Passive Divider Probe  
HP 54701A 2.5 GHz, 0.6 pF Active Probe