

## AGILENT ref 1152A



The Agilent 1152A active probe's bandwidth, superior accuracy, and reliability make it an ideal companion for the Agilent 54845A 1.5 GHz bandwidth oscilloscope.

The low input capacitance of the active probe eliminates distortion caused by excessive loading. As frequency increases, probe tip capacitance decreases the impedance of the probe by  $X_c = 1/(2\pi \cdot f \cdot C)$ , resulting in measurement error, depending on the source impedance of the output device. The Agilent 1152A's low tip capacitance becomes a distinct advantage as frequency increases.

Nonintrusive, reliable probing provides faithful reproduction of signals.

## Features

- 2.5 -GHz bandwidth
- 140 ps rise time
- 1% long-term flatness
- $\pm 0.5\%$  dc gain accuracy
- 200 Vac max input tolerance
- $\pm 12$  kV ESD tolerance
- Pliable, replaceable probe tips
- $\pm 5$  V dc + peak ac
- AutoProbe interface compatible
- Bandwidth (-3 dB):  $> 2.5$  GHz
- Risetime (10% to 901%):  $< 140$  ps (calculated from  $t_r = 0.35/\text{bandwidth}$ )
- Attenuation factor: 10:1
- dc Input resistance:  $100 \text{ k}\Omega \pm 1\%$
- Input capacitance: 0.6 pF (typical)
- Maximum input voltage:  $\pm 40$  V (dc + peak ac( $< 20$  MHz)), CAT I