
4 Operation

HANDLING THE PROBE

Exercise care when handling and storing the probe. Always handle the probe by the probe body or compensation box. Avoid putting excessive strain or exposing the probe cable to sharp bends.

CONNECTING THE PROBE TO THE TEST INSTRUMENT

The HFP1000 probe has been designed for use with LeCroy's WavePro™, Waverunner™ and LC oscilloscopes equipped with the ProBus interface. When you attach the probe output connector to the oscilloscope's input connector, the oscilloscope will recognize the probe, provide proper termination and activate the probe control functions in the user interface.

CONNECTING THE PROBE TO THE TEST CIRCUIT

To maintain the high performance capability of the probe in measurement applications, care must be exercised in connecting the probe to the test circuit. Increasing the parasitic capacitance or inductance in the input paths may introduce a "ring" or slow the rise time of fast signals. Input leads which form a large loop area will pick up any radiated electromagnetic field which passes through the loop and may induce noise into the probe input.

Using one of the available accessories makes the HFP1000 probe with its small profile and low mass head ideally suited for applications in dense circuitry.

OPERATION WITH A LECROY OSCILLOSCOPE

When the HFP1000 probe is connected to any LeCroy oscilloscope, the displayed scale factor and measurement values will be automatically adjusted.

Control through the oscilloscope's interface can be found in the 'Coupling' menu of the channel to which the probe is connected.

Turning the **Volts/Div** knob will control the oscilloscope's scale factor to give full available dynamic range up to 2 V/div.

HFP1000 High Frequency Probe

USE WITH NON-LECROY INSTRUMENTS

The HFP1000 can be used with other instruments with the optional ADPPS power supply. The output of the ADPPS must be terminated into 50 Ω .

The AutoColor ID feature will be disabled when the probe is used with an ADPPS adapter.

USE WITH OLDER LECROY INSTRUMENTS

When used with LeCroy instruments with software version lower than 8.7.0, the oscilloscope will provide the correct scale factor but no AutoColor ID.

With V/div settings greater than 2 V/div, it is possible to display clipped waveforms on screen.

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