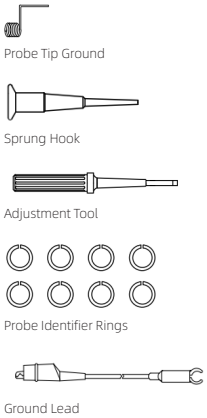
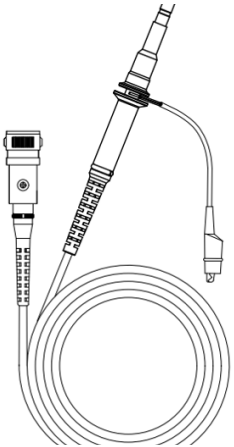
MSP510 Passive Probe User Guide

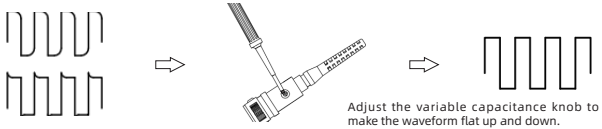
Assembly





Calibration

Before using the probe for testing, please check the compensation of the probe first and adjust it to match the channel inputs. Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensate the probe. Connect the probe to the signal source to display a 1 kHz test signal on your oscilloscope.



Adjust the variable capacitance knob to make the waveform flat up and down.

*Note: When the probe is connected to a different channel, it needs to be recalibrated. Each channel only needs to be calibrated once.

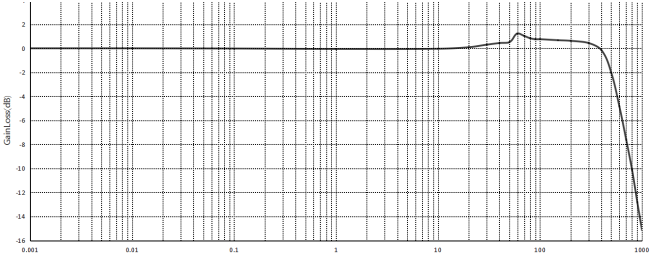
Specifications

Unless otherwise specified, all specifications are typical values and valid under the following conditions:

- Oscilloscope must have an input impedance of 1MΩ and warm up for 20 minutes at least.
- The probe has been calibrated properly.
- The temperature and humidity must not exceed the specified requirements.

Model	MSP510
Bandwidth	500MHz
Rise Time	≤ 800ps
Attenuation	1:10
Input Resistance	10MΩ
Input Capacitance	10.5pF±0.5pF
Adjustable Capacitor Range	4~24pF
Max. Working Input Voltage	< 600Vpk
Net Weight	< 53g
Lenght	132cm±1.5cm
Working Temperature	-10℃ ~ +50℃
Working Humidity	< 85% (Relative)

Amplitude-Frequency characteristics curve



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