

multicomp PRO



Voltage Probe, 300MHz, 100:1 MP770217

IMPORTANT SAFETY INFORMATION

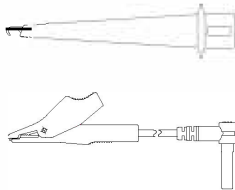
Please read these instructions carefully before use and retain for future reference.

- The test probe 10:1/100:1 can be used together with any test instrument that has an input impedance of $1M\Omega$ and whose input capacity is within the compensation range.
- The voltage rating and measurement category rating for the probe assembly are the maximum voltage and measurement category of the probe itself. The voltage rating and measurement category of the measuring instrument used with the probes might be lower. Refer to instrument user's guide to ensure that no excessive voltage is applied or measurement in excessive measurement categories is made.
- Check the test leads and probe insulation condition before using. If you find any breakage, damage or abnormality, or you consider the device is broken, stop using the device immediately.
- When using the test probes, keep your fingers behind the finger protection rings.
- Take caution when voltages are above 60V DC and 30V AC rms.
- When connecting the probe, always connect to the test instrument before picking off the test signal.
- When disconnecting the probe, first disconnect the probe tip from the test signal.
- The hook clip has to be pushed into the probe tip.
- The ground lead has to be plugged into the probe body.

WHAT'S INCLUDED

Spring Hook Contact

Retractable hook tip
1000V CAT II, 600V CAT III

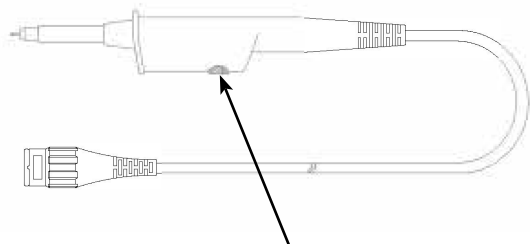


Ground Lead

Use alligator clip to attach the probe to a ground reference point
600V CAT III (10: 1)
1000V CAT 11 (100:1)

Scope Probe

10:1/100:1 -600V CAT III



Compensation adjuster

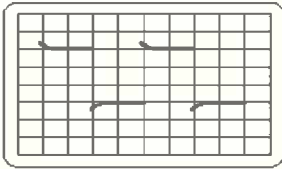
Making a reference connection

The output signal always relates to a reference point. For optimum measuring accuracy, the shield of the test probe should be connected to this reference point by the shortest possible route.

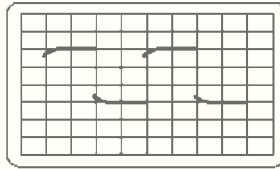
OPERATION

Compensation Adjustment

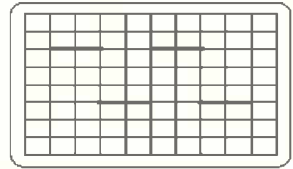
- For an accurate indication of the measuring signal, it is necessary to adjust the capacity of the probe to the input capacity of the oscilloscope.
- Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensate the probe.
- Connect the probe to the signal source to display a 1KHz test signal on your oscilloscope.
- Turn the adjustment screw until the oscilloscope shows an exact square wave.



Over Compensated

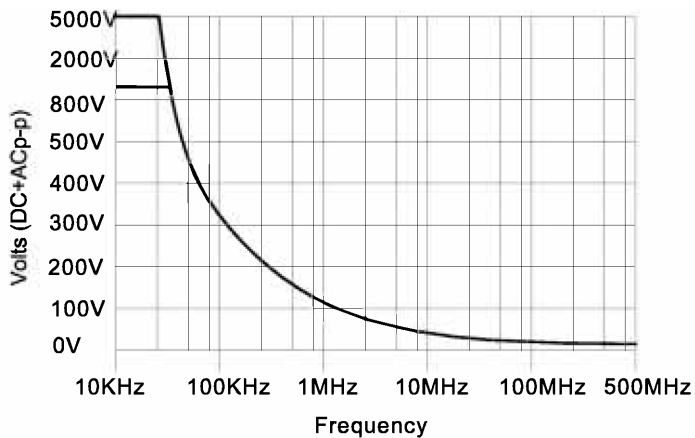


Under Compensated



Correctly Compensated

Voltage vs Frequency Rating Curve



SPECIFICATION

Item	MP770217
Attenuation	100:1
Input Resistance	100MΩ±1%
Input Capacitance	6.5pF
System Bandwidth	0-300MHz
Rise Time	<1.15ns
Compensation Range	10pF-20pF
Maximum Working Input Voltage	5000V
Safety	Conforms to IEC-61010 Category III 600V
Net Weight	<50g
Length	130cm
Temperature	-10°C - +50°C
Humidity	<85% (Relative Humidity)



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT

These symbols indicate that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.



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Man Rev 1.0