

Voltage Derating Curve

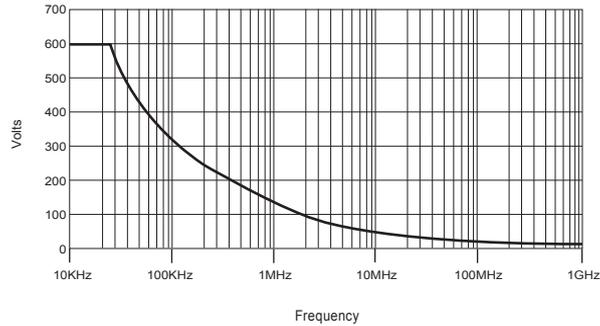


Fig.1

Oscilloscope Probe Kit Model. CP-3601R



Accessories

Description

Description	Part No.	Qty
Channel Identifier Clip	PA-601	2x5
Sprung Hook	PA-106G	1
Ground Lead	PA-107G	1
Insulating Tip	PA-108G	1
IC Tip	PF-902G	1
Trimmer Tool, Deluxe	PA-606	1
Measuring Tip	PA-102G	1
Probe Tip Ground	PF-905A/B/C/D	1x4
BNC Adapter	PF-901	1



Made in Taiwan
Version:HF-E0401A

Introduction

The CP-3601R is a passive high impedance oscilloscope probe designed and calibrated for use with instruments having an input impedance of $1\text{M}\Omega$ shunted by 13pF . However, it may be compensated for use with instruments having an input capacitance of 6 to 22pF .

The CP-3601R is also compatible with readout function oscilloscopes that automatically detect probe attenuation and adjust the scale readout accordingly.

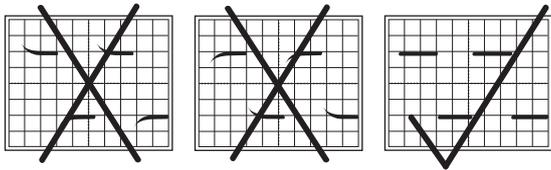
Safety Instructions

Review the following safety precautions to avoid injury and prevent damage to this product or any products connected to it.

- To avoid potential hazards, use this product only as specified.
- The common terminal is at ground potential. Do not connect the common terminal to elevated voltages.
- Do not operate in an explosive atmosphere.
- Keep product surfaces clean and dry.
- If your probe requires cleaning, disconnect it from the instrument and clean it with mild detergent and water. Make sure the probe is completely dry before reconnecting it to the instrument.

L.F. Compensation Adjustment

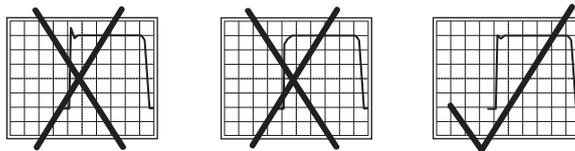
The following adjustment is required whenever the probe is transferred from one oscilloscope or input channel to another. Connect the probe to the oscilloscope, apply a 1KHz square wave to the probe tip, or connect to the cal socket on the oscilloscope to display a few cycles of the waveform and adjust the trimmer located in the BNC box for a flat topped square wave.



H.F. Compensation Adjustment

The probe high frequency (H.F.) compensation should seldom require adjustment; however, if adjustment is required, use the following procedure.

Connect the probe to a 1MHz square wave (rise time less than 0.58nS), adjust the oscilloscope controls to display one half cycle of the waveform. adjust the H.F. trimmer located in the BNC box for a flat topped square wave.



Specifications

Attenuation Accuracy	$10:1 \pm 0.5\%$ (at DC)
Bandwidth	DC to 600MHz
Rise Time	0.58nS
Input Resistance	$10\text{M}\Omega$ when used with oscilloscopes which have $1\text{M}\Omega$ input.
Input Capacitance	Approx. 12pF (Measure at 100KHz)
Compensation Range	6 to 22pF
Max. Input Voltage	600V CAT I, 300V CAT II (DC + peak AC) derating with frequency (see Fig.1)
Operating Temperature	0°C to 50°C
Humidity	85% RH or less (at 35°C)
Safety	Meets EN61010-031 CAT II
Cable Length	1.2 Meter



The CP-3601R is compatible with readout function oscilloscopes that automatically detect and display the attenuation factor of the probe.