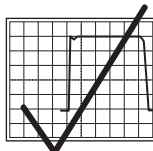
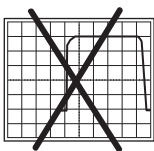
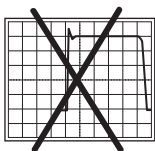


H.F. Compensation Adjustment

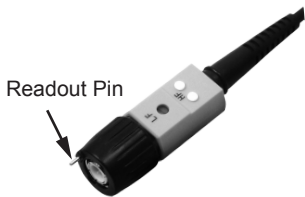
The probe high frequency (H.F.) compensation should seldom require adjustment; however, if adjustment is required, use the following procedure.

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±0.5% (at DC)
Bandwidth	DC to 600MHz
Rise Time	0.58nS
Input Resistance	10MΩ when used with oscilloscopes which have 1MΩ 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.

Voltage Derating Curve

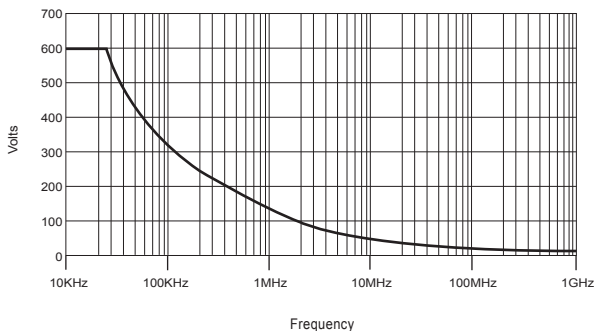


Fig.1

Accessories

Description

Channel Identifier Clip

Sprung Hook

Ground Lead

Insulating Tip

IC Tip

Trimmer Tool, Deluxe

Measuring Tip

Probe Tip Ground

BNC Adapter

Part No.

PA-601

PA-106G

PA-107G

PA-108G

PF-902G

PA-606

PA-102G

PF-905A/B/C/D

PF-901

Qty

2x5

1

1

1

1

1

1

1x4

1



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.

