

## Voltage Derating Curve

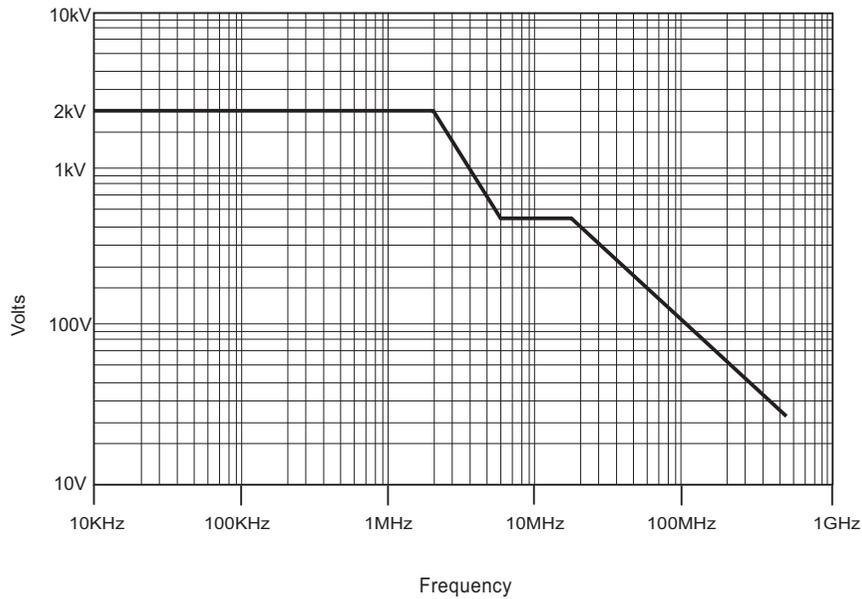


Fig.1

## Oscilloscope Probe Kit Model. CP-3308R



Made in Taiwan  
Version:HF-E0101A



## Introduction

The CP-3308R is a low-input capacitance high voltage oscilloscope probe designed and calibrated for use with instruments having an input impedance of  $1\text{M}\Omega$  shunted by  $20\text{pF}$ .

However, it may be compensated for use with instruments having an input capacitance of 10 to  $30\text{pF}$ .

The CP-3308R is also compatible with readout function oscilloscopes that automatically detect probe attenuation and adjust the scale readout accordingly.

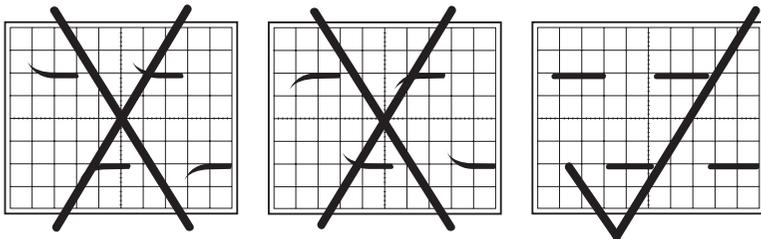
## Safety Instructions

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.

## 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  $1\text{KHz}$  square wave to the probe tip and adjust the oscilloscope controls to display a few cycles of the waveform. Adjust the trimmer located in the BNC box for a flat topped square wave.



## Specifications

Attenuation Ratio	100:1
Bandwidth	DC to 300MHz
Rise Time	1.16nS
Input Resistance	$100\text{M}\Omega$ when used with oscilloscopes which have $1\text{M}\Omega$ input.
Input Capacitance	Approx. $5.5\text{pF}$
Compensation Range	10 to $30\text{pF}$
Working Voltage	$1500\text{Vrms}$ CAT II ( $2000\text{V}$ DC incl. peak AC) derating with frequency, (see Fig.1)
Operating Temperature	$0^{\circ}\text{C}$ to $50^{\circ}\text{C}$
Humidity	85% RH or less (at $35^{\circ}\text{C}$ )
Safety	Meets E61010-031 CAT II
Cable Length	1.35 Meter



The CP-3308R is compatible with readout function oscilloscopes that automatically detect and display the attenuation factor of the probe.

## Accessories

### Description

Channel Identifier Clip  
Sprung Hook  
Ground Lead  
Insulating Tip  
IC Tip  
Adjusting Tool  
Measuring Tip  
BNC Adapter

### Part No.

PA-105  
PA-106  
PA-107  
PA-108  
PF-902  
PF-903  
PA-102  
PF-901