

# Oscilloscope Probe Kit

## Model. HP-9060

CE



## Introduction

The HP-9060 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  $20\text{pF}$ . However, it may be compensated for use with instruments having an input capacitance of 10 to  $30\text{pF}$ .

The probe incorporates a three position slide switch in the head which selects attenuation of x1, x10 or a ground reference position.

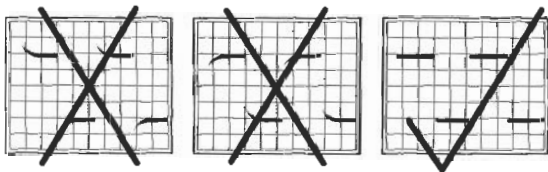
## Safety Instructions

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 and select x10 position on the probe switch. 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.



## Specifications

### **Position X10**

Attenuation Ratio	10:1
Bandwidth	DC to 60MHz
Rise Time	5.8nS
Input Resistance	10M $\Omega$ when used with oscilloscopes which have 1M $\Omega$ input.
Input Capacitance	Approx. 18pF
Compensation Range	10 to 30pF
Max. input Voltage	600V CAT I , 300V CAT II (DC + peak AC) derating with frequency (see Fig.1)

### **Position REF**

Probe tip opened, oscilloscope input grounded.

### **Position X1**

Attenuation Ratio	1:1
Bandwidth	DC to 6MHz
Rise Time	58nS
Input Resistance	1M $\Omega$ (oscilloscope input resistance)
Input Capacitance	91pF plus oscilloscope probe
Max. input Voltage	300V CAT I , 150V CAT II (DC + peak AC) derating with frequency

Operating Temperature	0 $^{\circ}$ C to 50 $^{\circ}$ C
Humidity	85% RH or less (at 35 $^{\circ}$ C)
Safety	Meets EN61010-031 CAT II
Cable Length	1.2 Meter

## Accessories

### **Description**

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

### **Part No.**

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

# Voltage Derating Curve

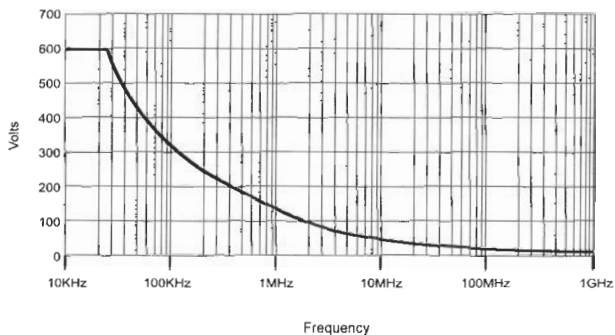


Fig.1

Made in Taiwan  
Version:HF-D1101A

