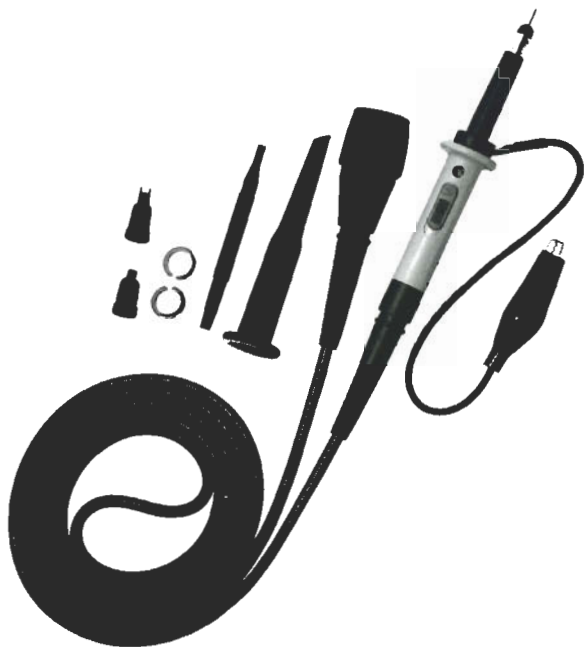


# Oscilloscope Probe Kit

## Model. HP-2060I

CE



## Introduction

The HP-20601 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  $35\text{ pF}$ . The probe incorporates a two position slide switch on the body which selects attenuation of  $\times 1$ ,  $\times 10$  position.

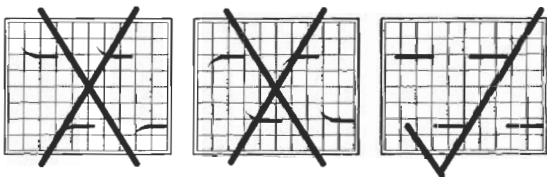
## Safety Instructions

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  $\times 10$  position on the probe switch. Apply a  $1\text{ KHz}$  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 probe body 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. 17 pF
Compensation Range	10 to 35 pF
Working Voltage	600V CAT I, 300V CAT II (DC + peak AC) derating with frequency (see Fig.1)

### **Position X1**

Attenuation Ratio	1:1
Bandwidth	DC to 15MHz
Rise Time	23nS
Input Resistance	1M $\Omega$ (oscilloscope input resistance)
Input Capacitance	68 pF plus oscilloscope capacitance
Working Voltage	300V CAT I, 150V CAT II (DC + peak AC) derating with frequency

Safety	Meets EN61010-031 CAT II
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Cable Length	1.2 Meter
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## 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

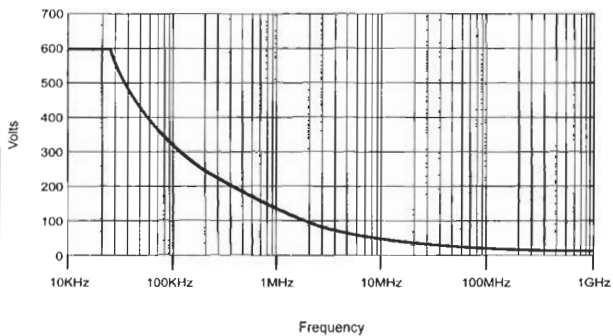


Fig.1