

Oscilloscope Probe Kit

Model. HP-9258

CE



Introduction

The HP-9258 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 pF . However, it may be compensated for use with instruments having an input capacitance of 10 to 35 pF .

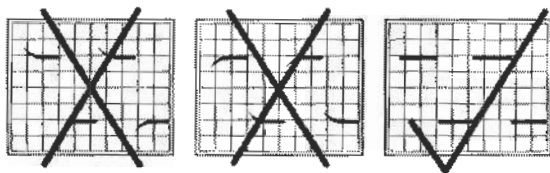
Safety Instructions

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 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 plug for a flat topped square wave.



Specifications

Attenuation Ratio	100:1
Bandwidth	DC to 250MHz
Rise Time	1.4nS
Input Resistance	100M Ω when used with oscilloscopes which have 1M Ω input.
Input Capacitance	Approx. 5.5 pF
Compensation Range	10 to 35 pF
Working Voltage	1500Vrms CAT II (2000V DC incl. peak AC) derating with frequency, see Fig. 1
Operating Temperature	-10°C to +55°C
Humidity	85% RH or less (at 35°C)
Safety	Meets EN61010-031 CAT II
Cable Length	1.3 Meter

Accessories

Description

Part No.

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

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

Voltage Derating Curve

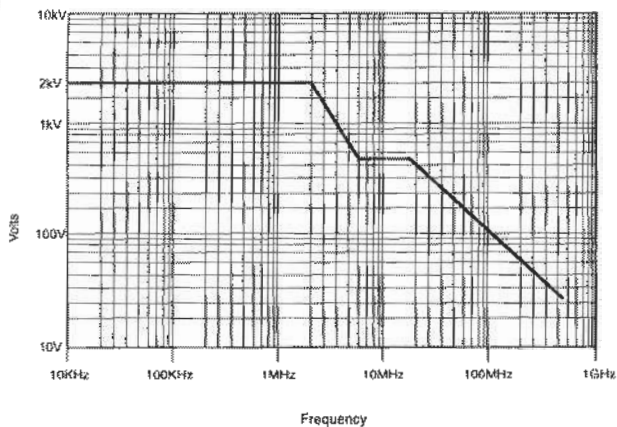


Fig.1