Oscilloscope Probe Kit

Model. HP-9258

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 MΩ shunted by 20 pF. However, it may be compensated for use with instruments having an input capacitance of 10 to 35 pF.

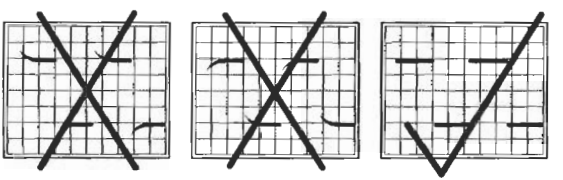
Safety Instructions

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 1KHz 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	100MΩ when used with oscilloscopes which have 1MΩ 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	PA-105
Sprung Hook	PA-106
Ground Lead	PA-107
Insulating Tip	PA-108
IC Tip	PF-902
Adjusting Tool	PF-903
Measuring Tip	PA-102
BNC Adapter	PF-901

Voltage Derating Curve

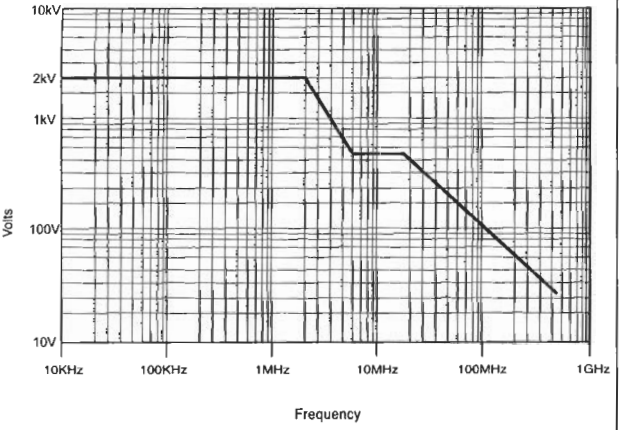


Fig.1

MADE IN TAIWAN