

Voltage derating curve

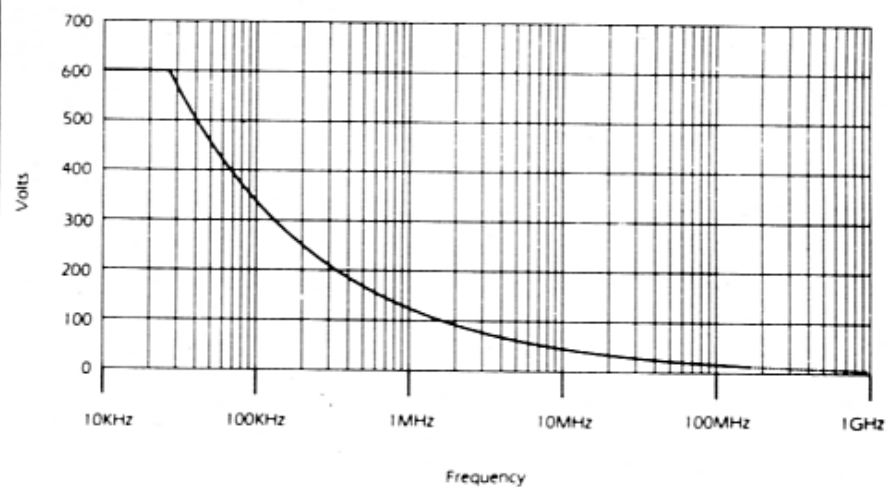


Fig. 1

DC~200MHz Oscilloscope Probe Kit Model. HP-9200

CE



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Introduction

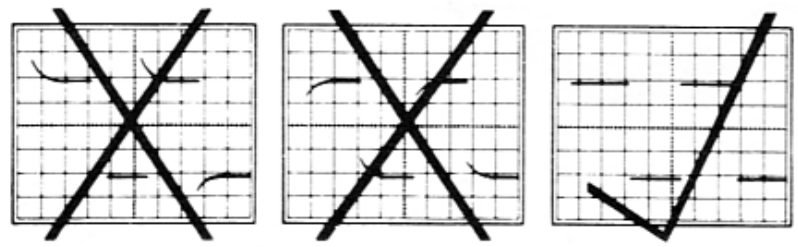
The HP-9200 is a passive high impedance oscilloscope probe designed and calibrated for use on instruments having an input impedance of 1M Ω shunted by 20 pF. However, it may be compensated for use with instruments having an input capacitance of 10-35pF. The probe incorporates a three position slide switch in the head which selects attenuation of $\times 1$, $\times 10$ or a ground reference position.

Maintenance

Before dismantling any part of the probe, make sure it is disconnected from any voltage source. The probe head can be detached from the cable assembly by unplugging the push fit BNC connector on the probe head. This permits replacement of the cable or head assembly should either part become damaged. The measuring tip is also replaceable. To replace a broken tip, hold the black insulating part of the tip with pliers and pull it away from the probe head. Replace with a new tip taking care to align with the inner contact.

Compensation Adjustment

In order to obtain the correct division ratio with each oscilloscope, the attenuation network needs to be adjusted. To compensate the probe to your oscilloscope, 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 plug for a flat topped square wave.



Specifications:

Position $\times 10$	
Attenuation Ratio	10:1
Bandwidth	DC to 200MHz
Rise Time	1.7nS
Input Resistance	10M Ω when used with oscilloscopes with 1M Ω input.
Input Capacitance	Approx. 14 pF
Compensation Range	10 to 35 pF
Working Voltage	600V DC incl. peak AC derating with frequency(see Fig.1)
Position REF	
Probe tip grounded via 9M Ω resistor, oscilloscope input grounded.	
Position $\times 1$	
Attenuation Ratio	1:1
Bandwidth	DC to 6MHz
Rise Time	58nS
Input Resistance	1M Ω (Oscilloscope Input)
Input Capacitance	47 pF plus oscilloscope capacitance
Working Voltage	600V DC incl. peak AC derating with frequency.
Safety	Conformed IEC-1010 CAT.I
Cable Length	1.2Meter

Accessories

Description	Part No.
Channel Identifier Clip	PA-105
Sprung Hook	PA-106
Ground Lead	PA-107
Insulating Tip	PA-108
Measuring Tip	PA-102
IC Tip	PF-902
Adjusting Tool	PF-903
Sprung Earth Tip	PF-905
BNC Adaptor	PF-901