



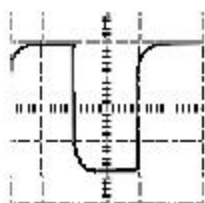
How to Adjust the Probe Compensation

Frequency Compensation

You are suggested to compensate probe so as to match its characteristics to oscilloscope. The probes can be adjusted for both low-frequency compensation and high-frequency compensation. Low-frequency compensation needs to be done while first connection but high-frequency compensation can be performed regularly.

Low-frequency compensation

- 1 Connect the probe to the signal terminal for adjusting probe at the front-panel of the oscilloscope in order to start low-frequency compensation.
- 2 Set the attenuation ratio to 10X, press "Auto" key on the front panel of the oscilloscope.
- 3 Use the adjustment tool to adjust the low frequency adjustment hole to obtain the most flattest pulse. (See figures below)



Incorrect



Incorrect

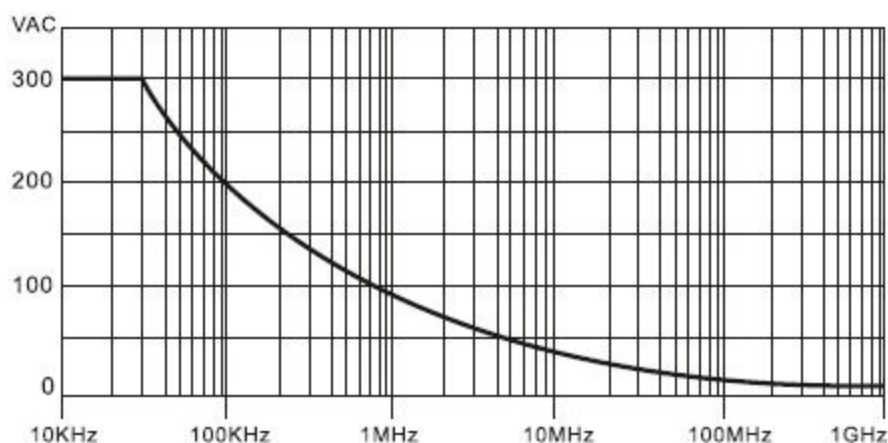


Correct

High-frequency compensation

- 1 Connect the probe to a generator with quick rise time by using a 50 Ω feedthrough. (Use the ground spring to ground the probe)
- 2 Output a signal with at least 500ps rise time from the generator.
- 3 Set the attenuation ratio to 10X, press "Auto" key on the front panel of the oscilloscope.
- 4 Use the adjustment tool to adjust the high frequency adjustment hole in tiny increments until the flattest top appeared with displayed waveform.

Voltage vs Frequency Rating Curve



CAT II: IEC Measurement Category II. Inputs may be connected to mains (up to 300 VAC) under Category II overvoltage conditions.

Equipment protected throughout by DOUBLE INSULATION or REINFORCED INSULATION

Review this user manual carefully 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 measurement category of a combination of a PROBE ASSEMBLY and an accessory is the lower of the measurement categories of the PROBE ASSEMBLY and of the accessory.

If the PROBE ASSEMBLY is used in a manner not specified by the manufacturer, the protection provided by the PROBE ASSEMBLY may be impaired.

探头参数 (Probe Characteristics)

操作环境	Operation Environment	0~50°C, 0~80%RH
存放环境	Storage Environment	-20~60°C, 0~90%RH
探头尺寸	Size	140±2cm
探头重量	Weight	About 56g
带宽	Bandwidth	1X: DC~8MHz 10X: DC~350MHz
上升时间	Rise time	1X: 40ns 10X: 900ps
衰减率	Attenuation Ratio	10:1 or 1:1 Switchable
输入阻抗	Input Resistance	1X: 1MΩ ± 2% 10X: 10MΩ ± 2%
输入电容	Input Capacitance	1X: 100pF ± 20pF 10X: 16pF ± 5pF
最大输入	Maximum Input	1X: CAT II 150V AC 10X: CAT II 300V AC
补偿范围	Compensation Range	5pF~29pF

探头零件清单 (Accessory Kit)

Item	名称描述	Description	Quantity
1	探头	Probe	1
2	探头钩	Retractable Hook Tip	1
3	补偿调节棒	Adjustment Tool	1
4	绝缘保护帽	Locating Sleeve	1
5	标识环 (黄, 粉, 浅蓝, 深蓝)	Marker Rings (yellow, pink light blue, and dark blue)	8
6	接地鳄鱼夹	Ground Lead	1
7	接地弹簧	Ground Spring	1