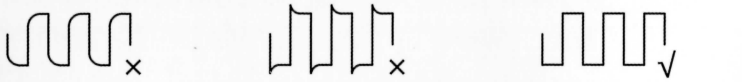
Probe Compensation

Due to variations in oscilloscope input characteristics probe low-frequency compensation may need adjustment after moving the probe from one oscilloscope to another .If a 1KHz calibrated square wave displayed at 1ms/division shows significant differences between the leading and trailing edges , perform the following steps steps to optimize low-frequency compensation .

1、Connect the probe to the calibration signal on the oscilloscope front panel .
2、Adjust the trimmer in the probe (accessiblethrough the compensation box)until you see a perfectly flat-top square wave on the display .see Figure .



Under compensated　Over compensated　Properly compensated

! Review this user manual carefully to avoid injury and prevent damage to this productor any products connected to it.To avoid potentialhazards,use this product only as specified.
! If the PROBE ASSEMBLY is used in a manner not specified by the manufacturer,the protection provided by the PROBE ASSEMBLY may be impaired.

⚠ Achtung,allgemeine Gefahrenstelle (Bedienungsanleitung beachten)

⚠ Achtung,Gefahr des elektrischen Schlage

⏚ Erdanschluss

CE　NCFB　WARING Risk of Electric Shock　CAUTION Refer to Manual

Oscilloscpe Probe

☐ UT-P04
☐ UT-P05
☐ UT-P06
☐ UT-P07
☐ UT-V23

Passive Voltage Probe

CE

Passive Probes

OSCILLOSCOPE INPUT R/1MΩ

Probes	UT-P04	UT-P05
Bandwidth	100MHz	200MHz
Input Impedance& Capacitance	10MΩ / 1MΩ±2% 15pF / 105pF 10X / 1X	
Attenuation Ratio	10:1/1:1	
Max Input Voltage	1X: 150V CAT II 10X: 300V CAT II	
Compensation Range	10 - 30pF	
Size	120±2cm	

Probes	UT-P06	UT-P07	UT-V23
Bandwidth	300MHz	500MHz	100MHz
Input Impedance& Capacitance	10MΩ /1MΩ±2% 13pF / 95pF 10X / 1X	10MΩ ±2% 9pF 10X	100MΩ ±2% 10pF 100X
Attenuation Ratio	10:1/1:1	10:1	100:1
Max Input Voltage	1X: 150V CAT II 10X: 300V CAT II	300V CAT II	2000VDC+pKAC
Compensation Range	10 - 50pF	8 - 50pF	10 - 50pF
Size	120±2cm	140±2cm	120±2cm
Operation Environment	0 - 50 ℃ , 0 - 80%RH	Storage Environment	-20 - 75 ℃ , 0 - 90%RH

Maximum Working Voltage Derating Curve (VDC+PeakAC)