

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 (accessible through 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 product or any products connected to it. To avoid potential hazards, 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 Schlags

⊕ Erdanschluss



Oscilloscope Probe

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

Passive Voltage Probe



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 °C , 0 - 80%RH Storage Environment -20 - 75 °C , 0 - 90%RH		

Maximum Working Voltage Derating Curve (VDC+PeakAC)

