Instructions

TP6100 100MHz
TP6060 20/40/60MHz
X1&X10 Passive Probe

Specifications

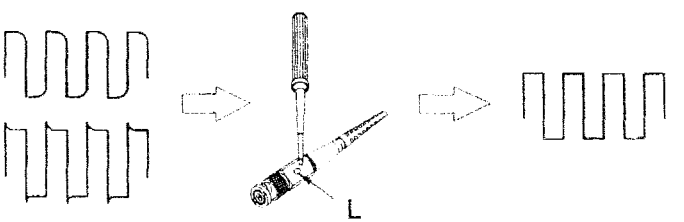
These characteristics apply to a TP6000 series probe installed on a specified oscilloscope.When used with another instrument, the oscilloscope must have an input impedance of 1 MΩ. The instrument must have a warm-up period of at least 20 minutes and be in an environment that does not exceed the limits.

Item	TP6060	TP6100
Attenuation	X1 ; X10	
Input Resistance	1MΩ±2%(×1):10MΩ±2%(×10)	
Input Capacitance	X1: 85pF~115pF X10: 18.5pF~22.5pF	X1: 85pF~115pF X10: 14.5pF~17.5pF
Compensation Range	All OSCILLOSCOPES	
System Bandwidth	DC~4MHz DC~60MHz	DC~6MHz DC~100MHz
Maximum Working Input Voltage	X1: <150VDC+Peak AC X10: <400VDC+Peak AC	
Net Weight	<55g	
Cable Length	120cm	
Temperature Operating Non operating	 10℃ ~50℃ 20℃ ~75℃	
Humidity	≤85% (Relative Humidity)	

Maintenance

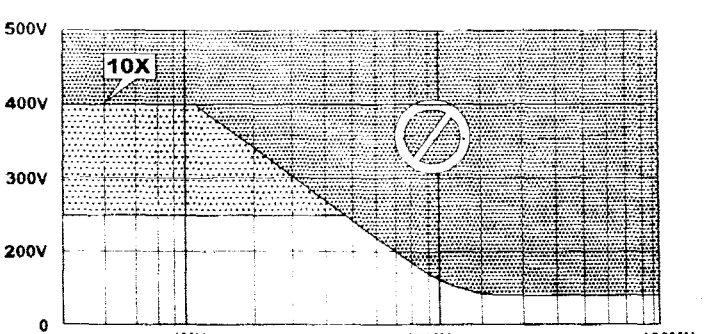
Low-Frequency probe Compensation

Before taking any measurements using a probe,first check the compensation of the probe and adjust it to match the channel inputs.Most oscilloscopes have a square wave reference signal available at a terminal on the front panel used to compensatethe probe.Connect the probe to the signal source to display a1KHz test signal on your oscilloscope.Set the probe to X10 position.

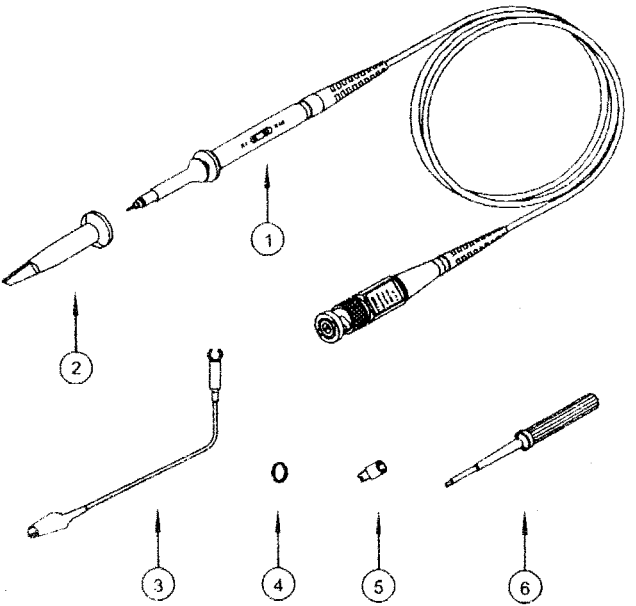


Adjust trimmer L until seeing flat-top square wave on the display.

Maximum Working Voltage Derating Curve (VDC+Peak AC)



TP6000 Series Probe Assembly Drawing



Part Exposition :

1. Probe Rod
2. Probe Tip
3. Ground Lead
4. Marker Ring
5. Tip Locating Sleeve
6. Adjustment Tool

Note: Contents of this document are subject to change without notice.