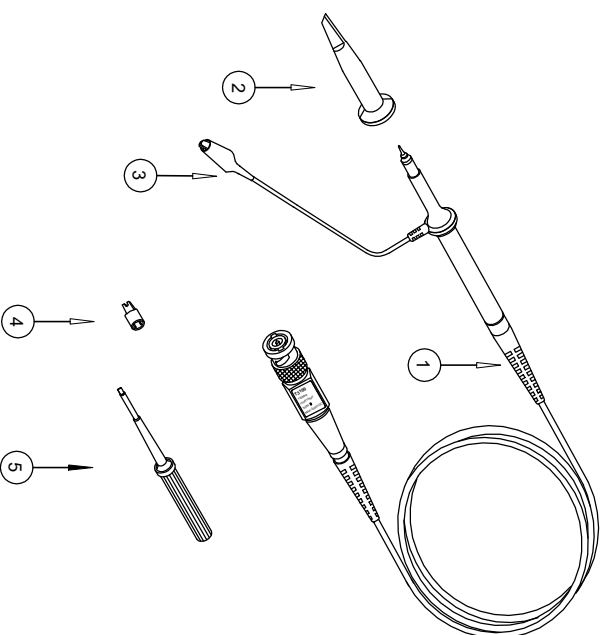


Instructions

T3000 Series Probe Assembly Drawing



Part Exposition :

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

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

T3020 20MHz
T3040 40MHz
T3060 60MHz
T3100 100MHz
100:1 Passive Probe

Specifications

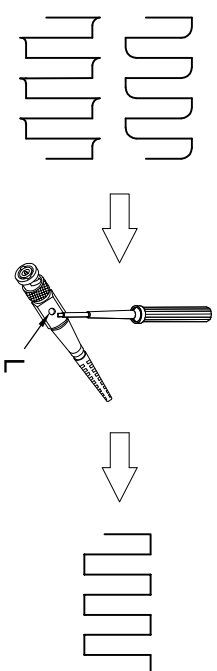
These characteristics apply to a T3000 series probe installed on a specified oscilloscope. When used with another instrument, the oscilloscope must have an input impedance of $1\text{ M}\Omega$. The instrument must have a warm-up period of at least 20 minutes and be in an environment that does not exceed the limits.

Item	T3020	T3040	T3060	T3100
Attenuation	1:100			
Input Resistance	100M Ω			
Input Capacitance Compensation	X100: 6.5pF~14.5pF		X100: 3.5pF~10.5pF	
Range	15pF~45pF		10pF~35pF	
System Bandwidth	X100: DC~20MHz	DC~40MHz	DC~60MHz	DC~100MHz
Maximum Working Input Voltage	X100: <2000V/DC+Peak AC			
Net Weight	<65g			
Cable Length	120cm			
Temperature Operating	-10℃~+50℃			
Non operating	-20℃~+75℃			
Humidity	$\leq 85\%$ (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 compensate the probe. Connect the probe to the signal source to display a 1KHz test signal on your oscilloscope.



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

Maximum Working Voltage Derating Curve (VDC+Peak AC)

