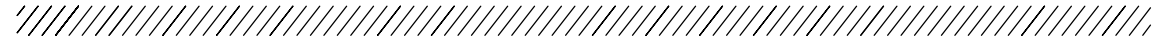
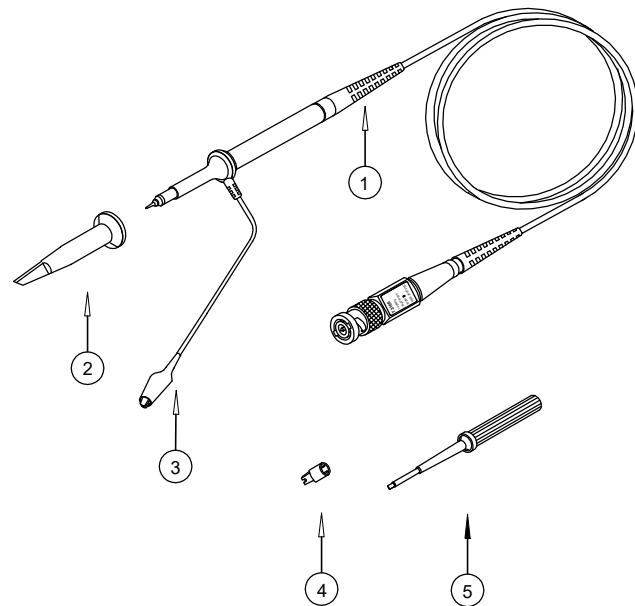


Instructions



T3000 Series Probe Assembly Drawing



**T3100 100MHz
100:1 Passive Probe**

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.

Specifications

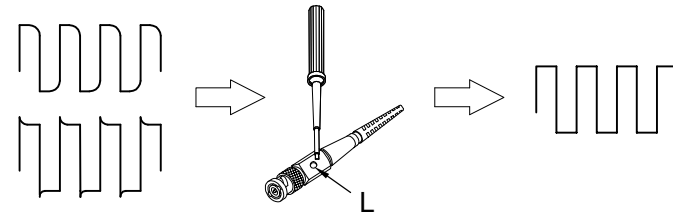
These characteristics apply to a T3000 series probe installed on a specified oscilloscope. When used with another instrument, the oscilloscope must have an input impedance of $1\text{ M}\Omega$. The instrument must have a warm-up period of at least 20 minutes and be in an environment that does not exceed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

Item	T3100
Attenuation	1:100
Input Resistance	$100\text{ M}\Omega$
Input Capacitance	X100: $3.5\text{ pF}\sim 10.5\text{ pF}$
Compensation Range	$10\text{ pF}\sim 35\text{ pF}$
System Bandwidth	DC~100MHz
Maximum Working Input Voltage	X100: $<2000\text{ VDC}+\text{Peak AC}$
Net Weight	$<65\text{ g}$
Cable Length	120cm
Temperature Operating	$-10\text{ }^{\circ}\text{C}\sim +50\text{ }^{\circ}\text{C}$
Non operating	$-20\text{ }^{\circ}\text{C}\sim +75\text{ }^{\circ}\text{C}$
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)

