



Instructions 使用手册

UT-P00 Series Probe Assembly Drawing/装配图

Passive Probe

无源探极
1X&10X

UT-P01 25MHz

UT-P03 60MHz

UT-P04 100MHz

UT-P05 200MHz

UT-P06 300MHz



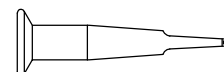
BNC adapte/BNC转接器



Electrical Contact Ground/探地弹簧



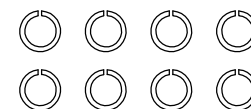
IC Tip/IC针套



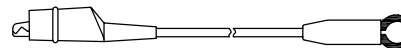
Sprung Hook/探钩



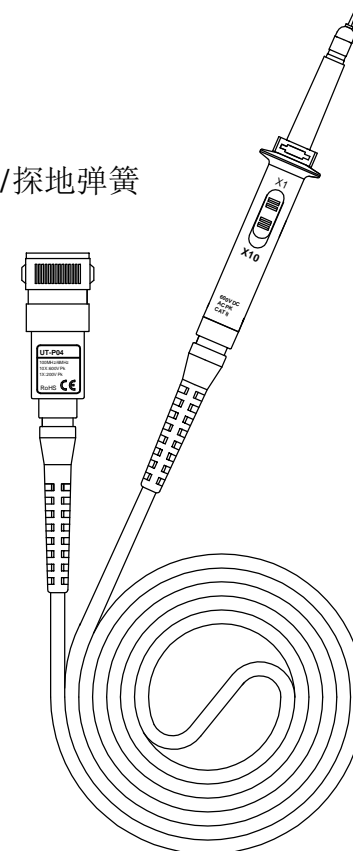
Adjustment Tool/调试棒



Marker Ring/色环



Ground Lead/接地线



性能与指标

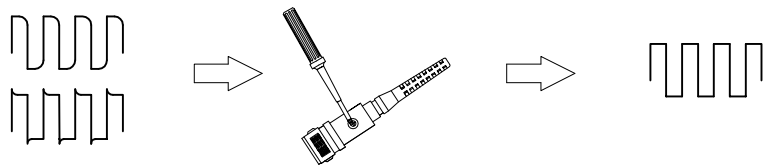
UT-P00系列探极的下列参数要求与其连接的示波器必须具有1MΩ的输入阻抗。使用的测试设备至少有20分钟的预热时间，并在不超过表中描述的极限环境中使用。

项目	UT-P01	UT-P03	UT-P04	UT-P05	UT-P06
衰减	1:10				
输入电阻	1MΩ:10MΩ				
输入电容	1X:85pF-115pF 10X:14.5pF-17.5pF				
系统带宽	1X:6MHz 10X:25MHz	1X:6MHz 10X:60MHz	1X:6MHz 10X:100MHz	1X:6MHz 10X:200MHz	1X:6MHz 10X:300MHz
补偿范围	10X:5pF-30pF	10X:5pF-30pF	10X:5pF-30pF	10X:5pF-30pF	10X:5pF-30pF
最大工作电压	1X:≤200V pk 10X:≤600V pk				
安全	Conformed IEC-61010 CAT II 1X:150V AC 10X:300V AC				
净重	<55g				
线长	130cm±1.5cm				
使用温度	-10°C - +50°C				
湿度	<85% (相对湿度)				

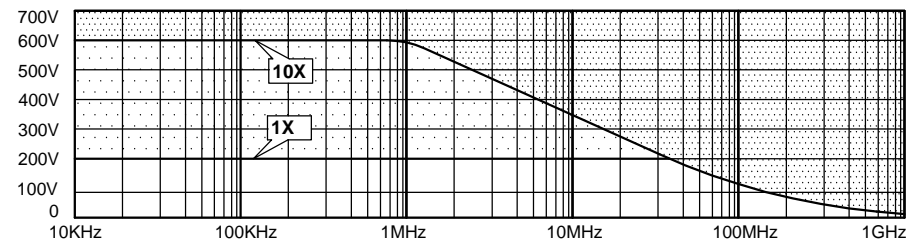
维护

低频探极补偿

使用探极进行测试前，首先请检查本品的低频补偿，将其调至与使用的示波器匹配。一般的示波器在其前面板上都有一个校准信号输出端，将探极开关拨至X10位置，并接到此信号源，示波器显示1KHz测试信号。如图所示，用调试棒调节探极BNC端的调节孔内的器件，使波形上下平整。



电压-频率特性图 (VDC+Peak AC)



Specifications

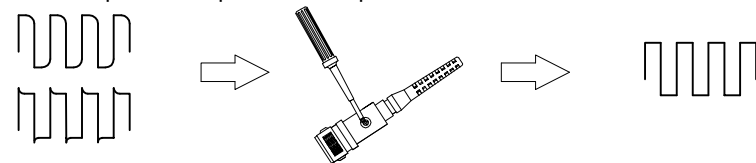
These characteristics apply to a UT-P00 series probe installed on a specified oscilloscope. When used with another instrument, the oscilloscope must have an input impedance of 1 MΩ. The instrument must have a warm-up period of at least 20 minutes and be in an environment that does not exceed the limits.

Item	UT-P01	UT-P03	UT-P04	UT-P05	UT-P06
Attenuation	1:10				
Input Resistance	1MΩ:10MΩ				
Input Capacitance	1X:85pF-115pF 10X:14.5pF-17.5pF				
System Bandwidth	1X:6MHz 10X:25MHz	1X:6MHz 10X:60MHz	1X:6MHz 10X:100MHz	1X:6MHz 10X:200MHz	1X:6MHz 10X:300MHz
Compensation Range	10X:5pF-30pF	10X:5pF-30pF	10X:5pF-30pF	10X:5pF-30pF	10X:5pF-30pF
Maximum Working Input Voltage	1X:≤200V pk 10X:≤600V pk				
Safety	Conformed IEC-61010 CAT II 1X:150V AC 10X:300V AC				
Net Weight	<55g				
Length	130cm±1.5cm				
Temperature	-10°C - +50°C				
Humidity	≤85% (Relative Humidity)				

Maintenance

Compensation Adjustment

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. Set the probe to X10 position.



Maximum Working Voltage Derating Curve (VDC+Peak AC)

