UNI-T®

Instructions 使用手册

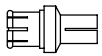
Passive Probe

无源探极

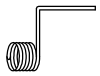
1X&10X

UT-P01 25MHz
UT-P03 60MHz
UT-P04 100MHz
UT-P05 200MHz
UT-P06 300MHz

UT-P00 Series Probe Assembly Drawing/装配图

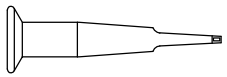


BNC adapte / BNC转接器

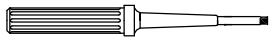


Electrical Contact Ground/探地弹簧

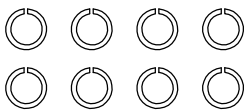
IC Tip/IC针套



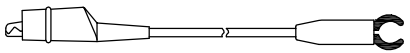
Sprung Hook/探钩



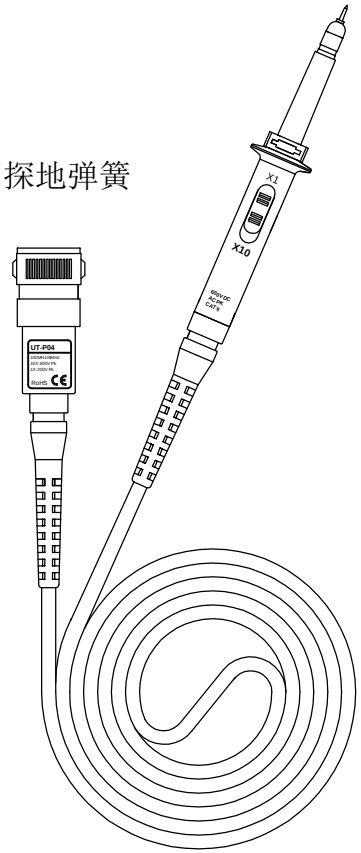
Adjustment Tool/调试棒



Marker Ring/色环



Ground Lead/接地线



性能与指标

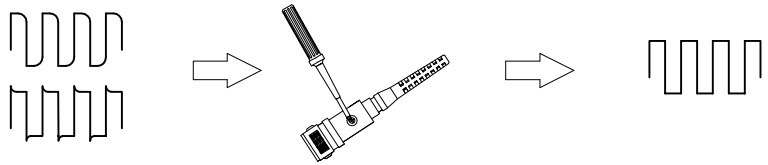
UT-P00系列探极的下列参数要求与其连接的示波器必须具有1MΩ的输入阻抗。使用的测试设备至少有20分钟的预热时间，并在不超过表中描述的极限环境中使用。

项目	UT-P01	UT-P03	UT-P04	UT-P05	UT-P06
衰减	1:10				
输入电阻	1MΩ:10MΩ				
输入电空	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)				

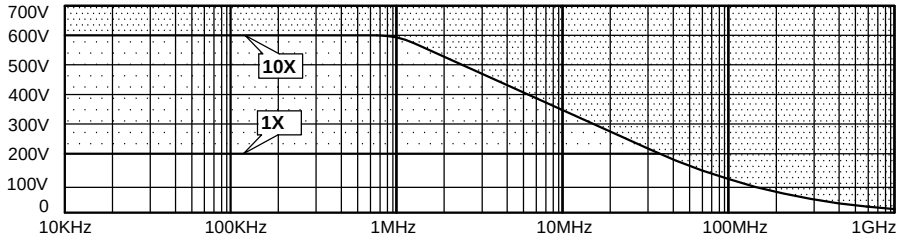
维护

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

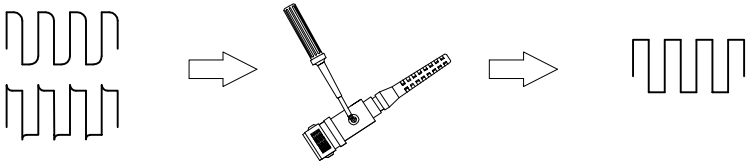
These characteristics apply to a UT-P00 series probe installed on a specified oscilloscope.When used with another instrument.the oscilloscope must have an input impedance of 1 MΩ.The instrument must have a warm-up period of at least 20 minutes and be in an environment that does not exceed the limits.

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				
Lenght	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 a1KHz test signal on your oscilloscope.Set the probe to X10 position.



Maximum Working Voltage Derating Curve (VDC+Peak AC)