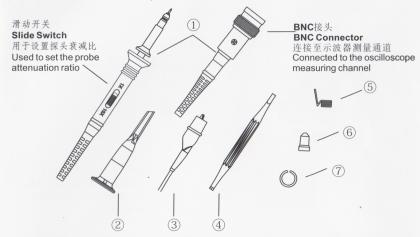
附件说明 Accessories and Features

探头配有附件,使测试更为方便。请在使用前尽量熟悉下列说明,以便更好地使用。 Provided with several accessories designed tomake probing and measurement simpler. Please review the following instructions carefully in order to use the product properly.



编号	名称 Name	描述	数量 Quantity	
拥写 NO.		囲込 Description	两条装 Dual Probes Kit	
1	探头 Probe		2	
2	探头钩 Hook Tip	可伸缩的挂钩。Indicates a retractable hook tip.	2	1
3	接地鳄鱼夹 Ground Alligator Clip	用于将探极可靠接地,便于安全操作和读取 正确的信号。Ensures the safe grounding of the Probeforsafe operation and correct signal reading	2	1
4	补偿调节棒 Adjustment Tool	用于调节探头补偿。Adjusts the probe compensation.	1	1
(5)	P2150,P2200 接地弹簧 Ground Spring	套在探头前端,用于接地,可改善高频响应。 Attaches itself to the probe head for grounding to improve high frequency response	2	1
6	绝缘保护帽 Insulation Cap	遮盖探头前端金属裸漏部分,可防止漏电以及确保使用者安全。Covers the exposed metal part of the probe head to avoid electricity leakage and protect the users.	2	2
7	标识环 Maker Rings	将色环(黄、粉、蓝、绿)套置于线上,可方便区分不同通道所用的探头。Attaches itself (yellow, pink, blue or green) to the probe cable to identify probes used in different channels.	8	8

用户手册 User's Guide



1X&10X Oscilloscope Probe

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调节探头补偿 To Adjust the Probe Compensation

频率补偿 Frequency Compensation

使用探头进行测试前,首先检查探 头的频率补偿,将其调至与所使用 的示波器匹配。一般示波器的前面 板上都有一个校准信号输出端,将 探头连接至此信号输出端(探头衰 减设为10X),令示波器显示测试 方波信号。将补偿调节棒插入探头 尾端的补偿调节孔并顺时针/逆时 针转动调节棒直至示波器显示正确 补偿的方波(方波上方平整)。

Before taking any measurement using a probe, first check the frequency compensation of the probe and adjust it to match the oscilloscope used. Generally, the oscilloscope provides a calibration signal output terminal at the front panel. Connect the probe(set the probe attenuation to 10X) to the signal output terminal to display a square waveform on the oscilloscope. Insert the adjustment tool into the compensation adjustment hole at the probe bottom and rotate it clockwise/counterclockwise until the properly compensated square waveform is displayed (flat-top square waveform).



补偿调节孔 Compensation Adjustment Hole



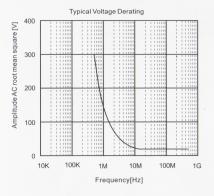


Undercompensated Overcompensated Properly Compensated

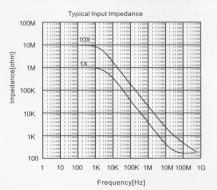
·指标 Probe Specifications

	电气规格	Electrica	I Specifica	ations				
宽带 Bandwidth	20MHz	40MHz	60MHz	100MHz	150MHz	200MHz		
上升时间 Rise Time	17.5ns	8.75ns	5.8ns	3.5ns	2.3ns	1.75ns		
输入电容	1X: 70 pF~ 120 pF							
Input Capacitance	10X: 14 pF~ 18 pF			10X: 13 pF~ 17 pF				
补偿范围 Compensation Range	15pF ~45 pF			10 pF ~35 pF				
输入电阻 Input Resisitance 1MΩ/10MΩ±2%								
衰减比 Attenuation Ratio 10:1 or 1:1 Switchable								
最大额定输入电压 Max. Rated Input Voltage	1X:150V _{RMS} CAT II			10X:300V _{RMS} CAT II				
	机械特性	Mechanica	al Characte	eristics				
重量(仅探头) Weight(Probe only)	About 55 g							
探头尺寸 Cable Length	110±2cm							
探头顶端直径 Probe Tip Diameter	4.8mm							
	环境指标 E	nvironme	ntal Speci	fications				
温度 Temperature	Operating : 0°C to +50°C Nonoperating : -20°C to +70°C							
海拨高度 Altitude	Operating:2,000 m Nonoperating:15,000 m							
最大相对湿度 Max.Relative Humidity	80% relative humidity for temperature up to +31℃, decreasing linearly to 40% relative humidity at +50℃							

电压降额 Voltage Derating



输入阻抗 Input Impedance



IEC 测量类别Ⅱ是指在直接 连接到低压设备的电路上进 行测量。例如,对家用电器、 便携式工具和类似的设备进 行测量。

通过双重绝缘或者加强绝缘 对设备进行安全保护。

使用前请仔细阅读用户手册 以避免人身伤害和设备及其 所连接设备的损害。为避免 危险, 请按说明正确使用。

探头与附件(辅助测试)组合的 测量等级是它们组合的较低 者。

请按照说明书正确使用探 头:否则,探头提供的保护将会 降低或消失。

IEC measurement category II is for measurements performed on circuits directly connected to low voltage installations. Examples are measurements on household appliances. portable tools and similar equipment.

Equipment fully protected by DOUBLE INSULATION or REINFORCED INSULATION.

Review this user manual carefully to avoid any personal injury or damage to this product and any product connected to it. To avoid potential hazards, use this product only as specified.

The measurement category of a combination of a PROBE ASSEMBLY and an accessory (an auxiliary to the measurement) is the lower of the measurement categories of The PROBE ASSEMBLY and of the accessory.

Follow the instructions to use the PROBE ASSEMBLY properly, the improper use of the PROBE ASSEMBLY will impair or ruin its self-owned protection function.

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