Troubleshooting

1. Probe tip is broken off:
i. Probes fall off or other physical impacts.
ii. Probes are connected with hot objects that make metal tip fade and the plastic part melt down.
Tips:
—Please do not keep the probe on the test points when it is not used.
—Do not put high pressure on the probe.
—Do not connect probes with hot objects.

2. Probe wires are broken off or aging:
i. The connection part between probes and wires are curled too much.
ii. Probe wires are tightened and twisted.
Tips:
—Hold the probe body and do not curl the connection part between probes and wires too much.
—Do not strain or twist probe wires.

3. Retractable hook tip is broken off:
Probe is shaken hardly after retractable hook tip is connected with tested objects.
Tips:
—Do not shake the probe after retractable hook tip is connected with tested objects.
—Do not keep the retractable hook tip on the tested objects when it is not used.

4. Ground lead is broken off or missing:
i. Ground lead is broken off when connecting or disconnecting the probe.
i i. Strain the ground lead after alligator clip is connected with the ground reference.
Tips:
—You'd better not separate the ground lead from the probe.
—Do not strain the ground lead after alligator clip is connected with the ground reference.

NOTES

CAT I: IEC Measurement Category I, which is for measurements performed on circuits not directly connected to AC line under Category I overvoltage conditions.

Equipment protected throughout by DOUBLE INSULATION or REINFORCED INSULATION

⚠ Review this user manual carefully to avoid injury and prevent damage to this product or any products 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 is the lower of the measurement categories of the PROBE ASSEMBLY and of the accessory.

⚠ If the PROBE ASSEMBLY is used in a manner not specified by the manufacturer, the protection provided by the PROBE ASSEMBLY may be impaired.

探 头 参 数 (Probe Characteristics)		
性能指标（Technical Specifications）		
带 宽	Bandwidth	DC~1.5GHz
衰 减 率	Attenuation Ratio	10:1（Fixed）
输入阻抗	Input Resistance	500Ω ±10Ω
示波器输入	Scope Input	50Ω
最大输入	Maximum Input	CAT Ⅰ 7VAC
一般规格（General Specifications）		
操作环境	Operation Environment	0~50℃，0~80%RH
存放环境	Storage Environment	-20~60℃，0~90%RH
探头尺寸	Size	145±2cm
探头重量	Weight	About 46g

探 头 零 件 清 单 (Accessory Kit)			
Item	名称描述	Description	Quantity
1	探头	Probe	1
2	探头钩	Retractable Hook Tip	1
3	标识环（黄, 粉, 浅蓝, 深蓝）	Marker Rings (yellow, pink light blue, and dark blue)	8
4	接地鳄鱼夹	Ground Lead	1
5	接地弹簧	Ground Spring	1

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RIGOL®

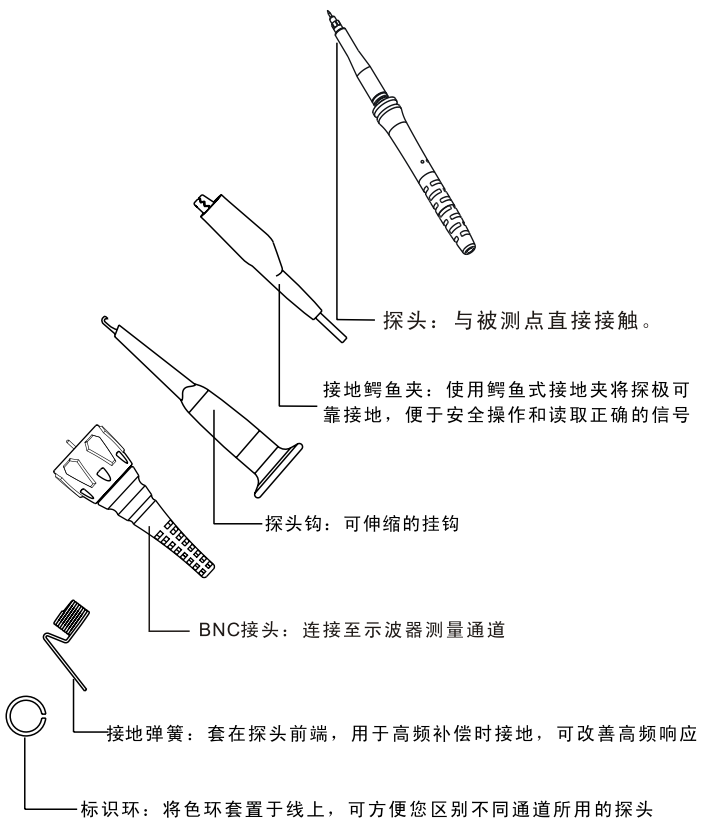
用户手册
User's Guide

RP6150无源探头

RP6150 Passive Probe

附件说明

RP6150系列探头配有附件，使测试更为方便。请在使用前尽量熟悉下列说明，以便更好的使用。



常见故障

1. 探针折断

成因：
i. 探头跌落或物理冲击导致探针折断。
ii. 探针与过热的测试点连接导致金属针褪色、探针连接塑料部分融化。
操作提示：
—探头不使用时，请勿将探针留在被测装置的被测点（孔）处。
—防止给探头过度施压。
—避免探针与过热物体连接。

2. 电缆线折断或老化

成因：
i. 在操作过程中过度弯曲探头和电缆线连接部位。
ii. 在操作过程中或存放时电缆线被过度拉紧、缠绕。
操作提示：
—手握探头时需握在坚实部位，避免过度弯曲探头和电缆线连接处。
—避免用力拉扯电缆线，存放时避免电缆线缠绕。

3. 探头钩折断

成因：
探头钩固定在被测物后，用力摇晃导致探头钩折断。
操作提示：
—探头钩固定在被测物后，请勿用力拉扯或大幅度摇晃。
—当探头不使用时，请勿将探头钩继续挂在被测装置上。

4. 接地线折断或丢失

成因：
i. 在连接或分开探头和接地卡时，拉断接地线。
ii. 接地鳄鱼夹连接被测装置的地线以后，仍用力拉扯导致拉断接地线。
操作提示：
—尽量避免分开接地卡与探头。
—接地鳄鱼夹固定在被测物后，请勿用力拉扯或大幅度摇晃。

注意事项

CATI：IEC测量类别I。在类别I过压情况下，用于在不直接连接到市电的电路上进行的测量。

⊡ 设备通过双重绝缘或加强结缘保护。

⚠ 使用前请仔细阅读用户手册以避免人员损伤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。

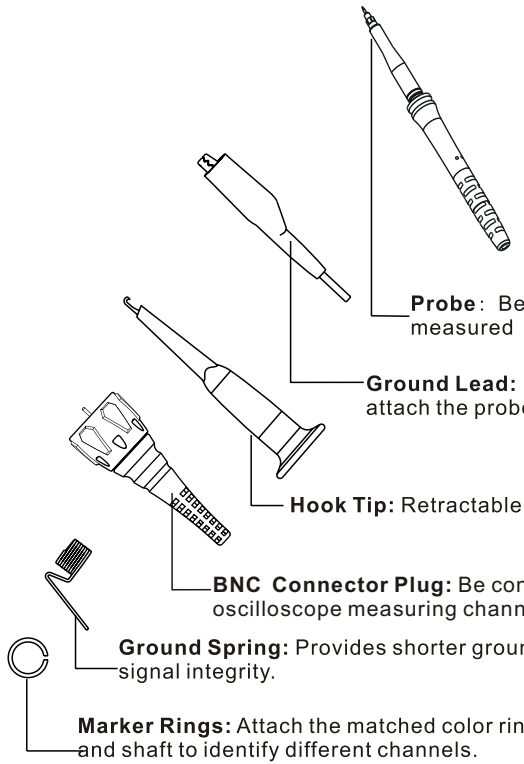
⚠ 探头与（辅助测试的）附件组合的测量等级是它们组合的较低者。

⚠ 如果用户不按照说明书使用探头，那么探头所提供的保护将会降低或消失。

注：产品规格如有变更，恕不另行通知。

Accessories and Features

RP6150 is provided with several accessories designed to make probing and measurement simpler. Please take a moment to familiarize yourself with these accessories and their uses.



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