

## Physical & Environmental Characteristics

Characteristic	Value
Temperature	-15 °C to +65 °C (Operating)
Altitude	3,000 m (9,842 ft) (Operating)
Humidity	5% to 90% RH (Operating)
Pollution Degree	2

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## Safety Warnings and Cautions

**WARNING** If the probe assembly is used in a manner not specified by the manufacturer, the protection provided by it may be impaired.

**WARNING** These probes are for use only on circuits that are NOT directly connected to mains. These are NOT intended for measurements on CAT II, CAT III, or CAT IV circuits.

**WARNING** Be careful when applying high voltage to the inputs of PP0001A/ 2A probes. Follow all pertinent safety rules and guidelines for elevated voltage measurements. Only qualified personnel should perform any testing with voltage levels exceeding 30 Vrms.

**WARNING** Periodically inspect the probe wires and cables. Do not operate with visible/suspected damage. Do not use the probe if the wear indicator is visible through the cable jacket. If you suspect a damage, have it inspected by a Keysight authorized service personnel.

**WARNING** Do not attempt internal service or adjustment. Service should be carried out by a Keysight Technologies authorized service personnel.

**WARNING** Some of the probe tips/accessories are sharp. Handle these carefully to avoid personal injury.

**WARNING** The ground clip is only rated for connection to earth ground (0V). Use Only Grounded Instruments. Do not connect the probe's ground lead to a potential other than earth ground. Always make sure the probe and oscilloscope are grounded properly.

## Safety Warnings and Cautions (Cont.)

**CAUTION** Probe must be fully connected to the oscilloscope prior to connection to the device under test. Probe must be disconnected from the device under test prior to disconnecting from the oscilloscope.

## Safety Symbols and Markings



This symbol indicates the Environmental Protection Use Period (EPUP) for the product's toxic substances for the China RoHS requirements.



Notice for the European Community: This product complies with the WEEE Directive (2002/96/EC) marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the requirement types in the WEEE Directive Annex I, this product is classed as a "Monitoring and Control Instrumentation" product. Do not dispose in domestic household waste. To return unwanted products, contact your local Keysight office.



The product is marked with this symbol when it is necessary for the user to refer to the instructions in the documentation.

## Cleaning the Probe

1. Disconnect the probe from the oscilloscope and device under test.
2. Wipe it with a soft cloth dampened with mild soap and water solution. Do not use too much liquid or any chemicals.
3. Make sure the probe is completely dry before reconnecting it to the oscilloscope.

Quick Start Guide




Keysight PP0001A/2A/3A  
Hi-Z+ Passive Probes

For more information, see the product's page at  
<http://www.keysight.com/find/PP0001A>



## Overview

The PP0001A/2A/3A are single-ended passive probes with high bandwidth, high input Z, and high input dynamic range.

Probe Model	Key Specifications <i>(See the user's guide for detailed specifications)</i>
PP0001A <i>(Low capacitance)</i>	1 GHz, 4 pF  10 M $\Omega$ , 300 Vrms, Mains isolated 
PP0002A <i>(Low capacitance, high voltage)</i>	800 MHz, 2 pF  40 M $\Omega$ , 1200 Vrms, Mains isolated 
PP0003A <i>(Low capacitance, MMCX interface)</i>	1 GHz, 4 pF  10 M $\Omega$ , 30 Vrms, Mains isolated 

### PP0004A Hi-Z+ Adapter for PP000xA

The PP0004A adapter is required to connect these probes to a Keysight 50  $\Omega$  AP1 or AP2 interface oscilloscope. See the user's guide for the complete list of compatible oscilloscopes.

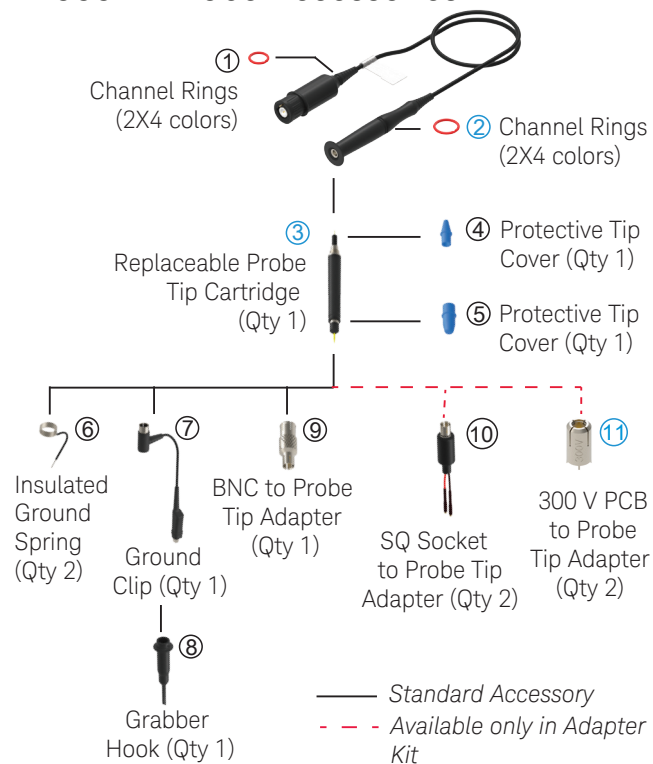
- > For AP1 oscilloscopes -> PP0004A adapter
- > For AP2 oscilloscopes -> PP0004A + N5442A adapters

See <http://www.keysight.com/find/PP0004A> to know more.

#### CAUTION

The accessories numbered with blue on pages 3, 4, and 5 are unique to the probe model with which these are listed. These cannot be used interchangeably with other probe models.

## PP0001A Probe Accessories



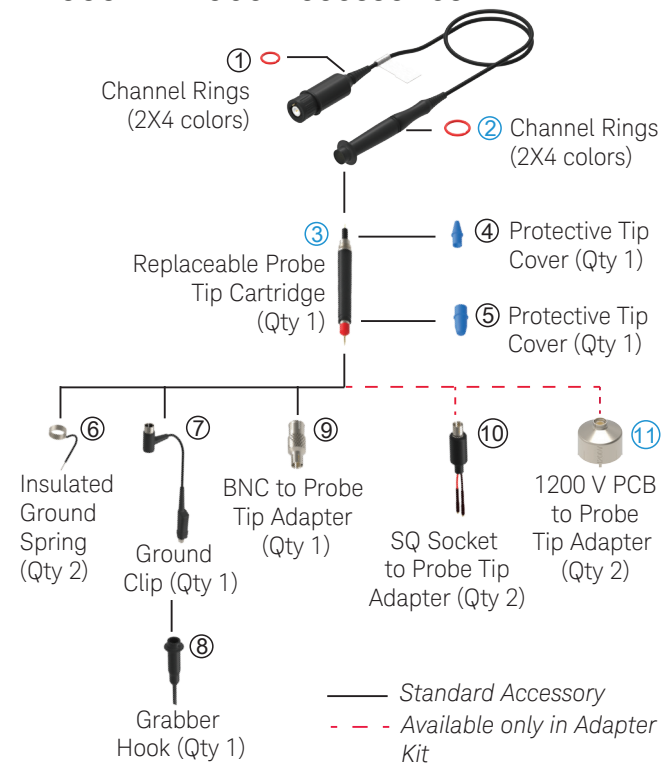
### Additional Accessory Kits *(Sold separately)*

PP0011A Accessory Kit - Includes ① ② ⑥ ⑦ ⑧ ⑨

PP0014A Fixed Cartridge Accessory Kit - Includes ③ ④ ⑤

PP0017A Adapter Kit - Includes ⑩ ⑪

## PP0002A Probe Accessories



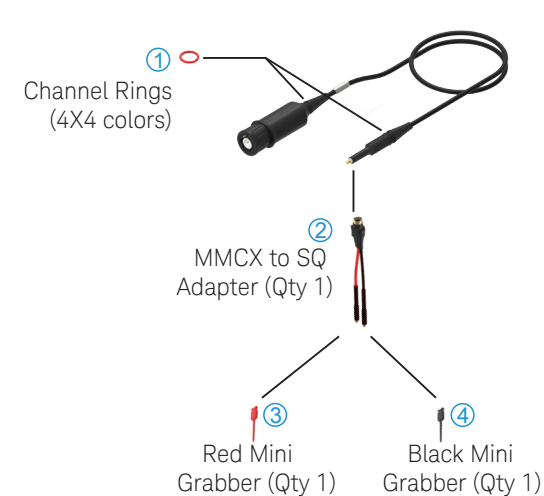
### Additional Accessory Kits *(Sold separately)*

PP0011A Accessory Kit - Includes ① ② ⑥ ⑦ ⑧ ⑨

PP0018A Fixed Cartridge Accessory Kit - Includes ③ ④ ⑤

PP0019A Adapter Kit - Includes ⑩ ⑪

## PP0003A Probe Accessories



### Additional Accessory Kit *(Sold separately)*

PP0013A Accessory Kit - Includes ① ② ③ ④

### Performing Compensation

Compensate the probe before you connect it to an oscilloscope input for the first time. Compensating the probe increases the accuracy of your measurements.

1. Connect the probe's signal and ground to the Probe Compensation and Ground lugs on the PP0004A adapter connected to the oscilloscope.
2. Perform compensation using the oscilloscope software.