

Hi-Z+ Passive Probing System

PP0001A, PP0002A, PP0003A and related accessories

Passive Probes with Never Before Seen Performance

With a small probe head, rugged and replaceable tips, automatic probe identification and attenuation, high voltage ranges and high input impedances with low capacitance – this family of probes is truly the best of passive probes and active probes in one. PP0001A provides a never-before-seen combination of high bandwidth and higher input voltages. PP0002A is the only 800 MHz passive probe to provide more than 1 kV of input voltage. PP0003A is our first ever MMCX compatible probe. All three are sold with a variety of accessories, an adapter for use with AutoProbe I, and optional accessory kits to round out your test setup.

| Model | Bandwidth | Input voltage | Input impedance | Tip type |
|--|---------------------------------------|---------------|-----------------|----------------|
| PP0001A | 1 GHz | 300 V CAT II | 10 MΩ 4.0 pF | 5 mm tip |
| PP0002A | 800 MHz | 1200 V CAT II | 40 MΩ 2.0 pF | 5 mm tip |
| PP0003A | 1 GHz | 30 V CAT II | 10 MΩ 4.0 pF | MMCX Connector |
| Required Adapter | | | | |
| This adapter is sold standard with the probes listed above but can be purchased separately. | | | | |
| PP0004A | Adapter for PP0001A, PP0002A, PP0003A | | | |



Adapter Required!

PP0001/2/3A all require the use of PP0004A in order to leverage the AutoProbe I interface on applicable InfiniiVision X-Series and Infiniium oscilloscopes. In the future, this adapter will be designed into the oscilloscope, but for now, ensure you have a PP0004A adapter for every probe you need in your test setup. This adapter is sold as a standard accessory with any of these probes.



Figure 1. From left to right: PP0001A, PP0002A, and PP0003A.

List of Standard and Optional Accessories, Replacement Kits

See the PP0001/2/3A User's Guide for images of each part, which may be helpful in identifying standard accessories and replacement parts below.

| Probe | Standard accessories | Re-orderable As |
|----------------------|---|------------------------------|
| PP0001A | Channel identification rings (4 each, in 4 colors); grabber hook tip; ground clip; ground spring (x2); BNC to probe tip adapter | PP0011A |
| | Probe tip cartridge, 300 V rating; Protective tip covers (x2) | PP0014A |
| | Adapter for PP0001A, PP0002A, PP0003A | PP0004A |
| PP0002A | Channel identification rings (4 each, in 4 colors); grabber hook tip; ground clip; ground spring (x2); BNC to probe tip adapter | PP0011A |
| | Probe tip cartridge, 1200 V rating; Protective tip covers (x2) | PP0018A |
| | Adapter for PP0001A, PP0002A, PP0003A | PP0004A |
| PP0003A | Channel identification rings (4 each, in 4 colors); red and black mini grabbers; MMCX to 0.025" square pin adapter | PP0013A |
| | Adapter for PP0001A, PP0002A, PP0003A | PP0004A |
| Optional accessories | | |
| PP0017A | Probe tip to 0.025" square pin adapter, 30 V rating (x2) PCB to probe tip adapter, 300 V rating (x2) | Only for use with PP0001A |
| PP0019A | Probe tip to 0.025" square pin adapter, 30 V rating (x2) PCB to probe tip adapter, 1200 V rating (x2) | Only for use with PP0002A |

Related Literature

| Document | Pub number |
|---|---------------------------|
| PP000xA User's Guide | PP0002-97000 |
| Keysight Probes & Accessories Overview | 5989-6162 |
| Visit the Keysight Probe Resource Center for all information related to probes and accessories for all oscilloscope platforms at prc.keysight.com | |



Figure 2. PP0004A ships in a convenient padded storage case, with space for an accompanying probe and accessories. Pictured here is the PP0004A in its case with a PP0001A.

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