

Optional accessories

A3000 Series active probes with Intelligent Probe Interface

The Pico A3000 Series are high-impedance active oscilloscope probes. They have been designed to have minimal impact on the signal being probed with maximum signal transfer to the PicoScope 6000E Series via the intelligent probe interface. Their ergonomic design allows for comfortable handheld use with the addition of a button to start and pause capturing in PicoScope 6.

The intelligent probe interface powers the probe from the scope and automatically sets the scope's scaling and input impedance to match the probe.

With an input resistance of 1 M Ω and capacitance of 0.9 pF, these active probes offer high input impedance into the GHz range. These characteristics make this probe the most versatile for many of your day-to-day measurements.



Features

- Up to 1.3 GHz probe bandwidth
- Click-to-fit convenience
- Super light flexible cable
- Control capture start and stop using a button on the probe
- Connects directly to PicoScope 6000E Series oscilloscopes with the Intelligent Probe Interface
- Powered by the oscilloscope, eliminating separate power supplies and interface boxes
- Automatic probe detection and unit scaling
- LED status indicator

Specifications

Probe bandwidth (-3 dB)	1.3 GHz (A3136) 750 MHz (A3076)
Nominal system bandwidth (-3 dB)	1 GHz (A3136 with 1 GHz PicoScope 6000E models) 750 MHz (A3136 with 750 MHz PicoScope 6000E models) 500 MHz (A3076 with 500 MHz PicoScope 6000E models)
Probe rise time	< 300 ps (A3136), < 466 ps (A3076)
Input resistance	1 M Ω +3%, -1%
Input capacitance	Typical 0.9 pF
Attenuation	10:1
Full-scale measurement range	\pm 5 V (DC + AC peak)
DC gain accuracy	\pm 3%
DC offset range	\pm 10 V
Maximum non-destructive input voltage	\pm 30 V (DC + AC peak) derated
Probe noise	2.5 mV RMS nominal referred to probe input
Probe pulse response	< 10% overshoot
Probe button	Control start/stop capture in PicoScope 6
Cable length	1.2 m



Kit contents

PicoScope 6000E Series oscilloscope kit

- PicoScope 6000E Series PC oscilloscope
- P2056 500 MHz 10:1 passive probes (4) (supplied with all models except the PicoScope 6403E)
- P2036 300 MHz 10:1 passive probes (4) (supplied with the PicoScope 6403E)
- User's Guide
- 12 V power adaptor, universal input
- Localized IEC mains lead
- USB cable, 1.8 m
- Storage/carry case

TA369 MSO pod kit

- TA369 8-channel MSO pod
- MSO test hooks (pack of 12)
- MSO ground lead (8)
- MSO ground clip 1-way (8)
- MSO ground clip 4-way
- MSO ground clip 8-way
- MSO digital interface cable
- Storage/carry case

PQ221 MSO pod spares kit

A spares kit is available containing the following items:

- MSO ground clip 8-way
- MSO ground clip 4-way
- MSO ground clip 1-way (8)
- MSO ground lead (8)



(8 off)



(8 off)



A3000 active oscilloscope probe kits:

PQ254 - A3136 1.3 GHz

PQ265 - A3076 750 MHz

Each probe is supplied in a kit containing the following parts:

- Probe tip (pack of 10)
- Ground blade (pack of 2 sizes, 2 of each)
- Channel color markers (8 colors, 2 of each)
- Spring tip (pack of 10)
- Ground leads (2)
- Cable pin (pack of 10)
- Gold plated copper wire 0.3 mm 30 SWG
- Micro pincer SMD clip black
- Micro pincer SMD clip red
- Joggle adaptor
- Carry case
- Quick start guide



A probe accessory kit (PQ275) is also available to replenish consumables from the oscilloscope probe kit. It contains:

- Ground leads (2)
- Cable pins (pack of 10)
- Gold plated copper wire (0.3 mm 30 SWG)