

## 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 $\Omega$  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 $\Omega$ +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



## Optional accessories

### TA369 MSO pod

The PicoScope 6000E Series can be upgraded to MSO capability. This consists of a detachable active MSO pod, powered by the scope, with eight permanently attached flying leads terminating in MSO probes for connection to the circuit under test.

The active MSO pods bring the MSO input circuitry closer to the device under test minimizing loading and giving the best possible performance.

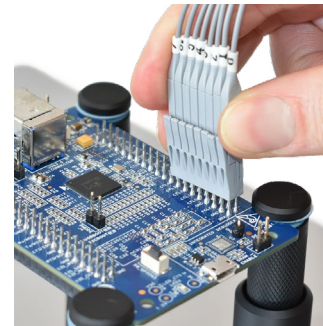
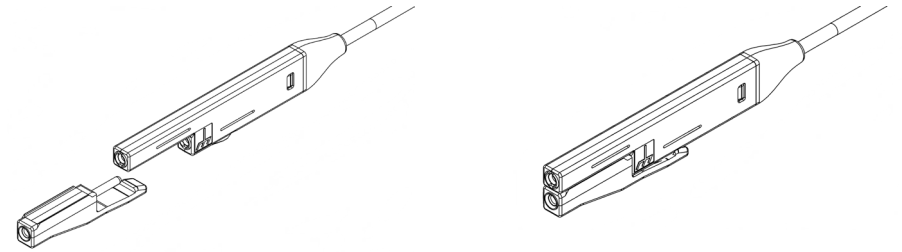
The MSO pod connects to either of two digital interface ports on the scope front panel using a 0.5 m digital interface cable. All PicoScope 6000E Series models support the MSO pod.

The innovative single and multi-way ground clips allow fast and flexible connection to all signal and ground pins in a double row header, regardless of where the layout engineer has placed them.

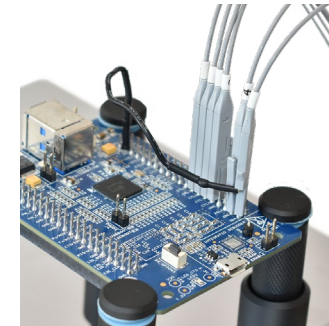
#### Features:

- 8 digital inputs per pod
- 500 MHz bandwidth, 1 Gb/s
- 5 GS/s sampling on 16 digital channels
- 1 ns minimum pulse width
- Minimal load on the device under test:  $101\text{ k}\Omega \parallel 3.5\text{ pF}$
- Innovative ground clips for easy connection to 2-row, 2.54 mm-pitch headers
- 8 ground leads and 12 mini test hooks included

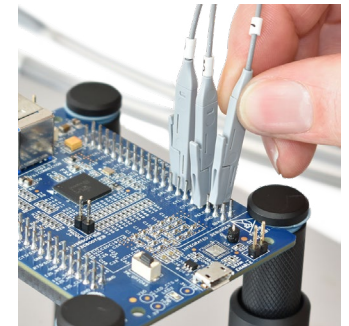
An MSO pod spares kit (PQ221) is also available, which contains extra 1-way, 4-way and 8-way MSO ground clips and MSO ground leads.



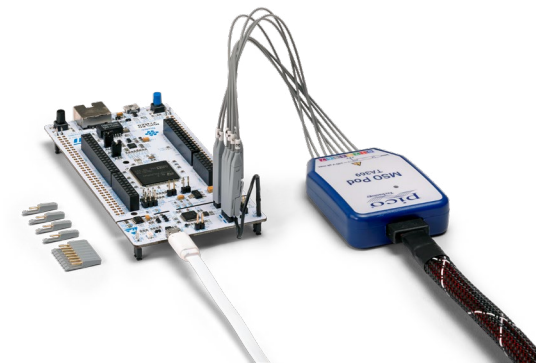
*For headers with signal pins on one row and grounds on the other row.*



*For headers with signals situated together and not enough grounds. A ground lead can be used to connect to a remote ground pin on the device under test.*



*For a header with a mix of non-adjacent and adjacent signal pins.*



## Optional accessories

### Probe positioning system

The Pico oscilloscope probe positioning system holds your circuit board firmly during soldering, inspection and test.

The kits include flexible probe holders which secure magnetically to the steel base plate. When the probes are installed in the holders they can be positioned to make contact with points of interest on the circuit board and will remain in contact while you make measurements in the PicoScope software.

The large steel base plate is mirror-finished allowing you to see any items such as status LEDs underneath the PCB.



Probe positioning system kit contents:			
Item	PQ215 kit	PQ219 kit	PQ218 kit
PCB holder	4	4	
Base plate, 210 x 297 mm	1	1	
Set of insulation washers for PCB holders	1	1	
Pico probe holder, 2.5 mm	4	8	4
Set of cable holders channels A-D	1	1	1
Set of cable holders channels E-H	1	1	1
P2056 500 MHz 10:1 passive BNC probe		4	
	If you already own a 4- or 8-channel scope with four probes, this kit is the ideal add-on.	Upgrade your 8-channel scope from four to eight probes, and add eight probe holders.	Four extra probe holders.

### Passive analog high-impedance probes

P2056 500 MHz and P2036 300 MHz passive probes are supplied with your scope and are also available separately in single or dual packs. These probes feature a probe-detect readout BNC connector allowing automatic recognition as a 10:1 attenuator by the scope.

Probe connection is confirmed by a notification in PicoScope 6.

Features:

- Up to 500 MHz bandwidth
- 10:1 attenuation
- High-frequency response trimmed to match the oscilloscope
- Probe-detect readout pin for automatic range scaling

A comprehensive selection of accessories is supplied in the single probe packs and a basic selection in the dual packs. Further accessories are available as listed in the P2056 and P2036 user's guide.



## PicoScope 6000E Series specifications

	PicoScope 6426E	PicoScope 6425E	PicoScope 6824E	PicoScope 6424E	PicoScope 6406E	PicoScope 6405E	PicoScope 6804E	PicoScope 6404E	PicoScope 6403E
<b>Vertical (analog channels)</b>									
Input channels	4	4	8	4	4	4	8	4	4
Bandwidth (-3 dB)	50 Ω: 1 GHz 1 MΩ: 500 MHz	50 Ω: 750 MHz 1 MΩ: 500 MHz	500 MHz		50 Ω: 1 GHz 1 MΩ: 500 MHz	50 Ω: 750 MHz 1 MΩ: 500 MHz	500 MHz		300 MHz
Rise time	50 Ω: < 350 ps 1 MΩ: < 850 ps	50 Ω: < 475 ps 1 MΩ: < 850 ps	< 850 ps		50 Ω: < 350 ps 1 MΩ: < 850 ps	50 Ω: < 475 ps 1 MΩ: < 850 ps	< 850 ps		< 1.3 ns
Selectable bandwidth limit	20 MHz, 200 MHz		20 MHz		20 MHz, 200 MHz		20 MHz		
Vertical resolution	8, 10 or 12 bits FlexRes				8 bits fixed				
Enhanced vertical resolution (software)	Up to 4 extra bits beyond ADC resolution								
Input connector	BNC(f), x10 probe readout-pin compatible								
Input characteristics	1 MΩ ±0.5%    12 pF ±1 pF								
	50 Ω ±3%		50 Ω ±2%		50 Ω ±3%		50 Ω ±2%		
Input coupling	1 MΩ AC/DC or 50 Ω DC								
Input sensitivity	1 MΩ input: 2 mV/div to 4 V/div (10 vertical divisions) 50 Ω input: 2 mV/div to 1 V/div (10 vertical divisions)								
Input ranges (full scale)	1 MΩ ranges: ±10 mV, ±20 mV, ±50 mV, ±100 mV, ±200 mV, ±500 mV, ±1 V, ±2 V, ±5 V, ±10V, ±20 V 50 Ω ranges: ±10 mV, then as above up to ±5 V								
DC gain accuracy	±(1% of signal + 1 LSB)		±(0.5% of signal + 1 LSB)		±(1.5% of signal + 1 LSB)				
DC offset accuracy	±(1% of full scale + 250 μV) Offset accuracy can be improved by using the "zero offset" function in PicoScope 6.								
LSB size (quantization step size)	8 bits: < 0.4 % of input range 10 bits: < 0.1 % of input range 12 bits: < 0.025 % of input range				8 bits: < 0.4 % of input range				
Analog offset range (vertical position adjustment)	50 Ω ranges: ±125 mV (±10 mV to ±100 mV ranges) ±1.25 V (±200 mV to ±1 V ranges) ±5 V (±2 V and ±5 V ranges)		50 Ω ranges: ±1.25 V (±10 mV to ±1 V ranges) ±20V (±2V and ±5V ranges)		50 Ω ranges: ±125 mV (±10 mV to ±100 mV ranges) ±1.25 V (±200 mV to ±1 V ranges) ±5 V (±2 V and ±5 V ranges)		50 Ω ranges: ±1.25 V (±10 mV to ±1 V ranges) ±20V (±2V and ±5V ranges)		
	1 MΩ ranges: ±1.25 V (±10 mV to ±1 V ranges), ±20 V (±2 V to ±20 V ranges)								
Analog offset control accuracy	±0.5% of offset setting, additional to DC accuracy above								
Oversvoltage protection	1 MΩ ranges: ±100 V (DC + AC peak) up to 10 kHz 50 Ω ranges: 5.5 V RMS max, ± 10 V pk max								



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<b>Vertical (digital channels with optional TA369 8-channel MSO pods)</b>									
Input channels	8 channels per MSO pod. Supports up to 2 pods / 16 channels.								
Maximum detectable input frequency	500 MHz (1 Gb/s)								
Minimum detectable pulse width	1 ns								
Input connector (probe tip)	Staggered signal and ground sockets for each channel, to accept 0.64 - 0.89 mm round or 0.64 mm square pin, 2.54 mm pitch								
Input characteristics	101 k $\Omega$ $\pm$ 1%    3.5 pF $\pm$ 0.5 pF								
Threshold range and resolution	$\pm$ 8 V in 5 mV steps								
Threshold accuracy	$\pm$ (100 mV + 3% of threshold setting)								
Threshold grouping	PicoScope 6: Threshold control per 8-channel pod PicoSDK: Individual threshold for each channel								
Threshold selection	TTL, CMOS, ECL, PECL, user-defined								
Maximum input voltage at probe tip	$\pm$ 40 V up to 10 MHz, derated linearly to $\pm$ 5 V at 500 MHz								
Minimum input voltage swing (at maximum frequency)	400 mV peak to peak								
Hysteresis (at DC)	PicoScope 6: Fixed hysteresis approx. 100 mV PicoSDK: Selectable hysteresis per 8-channel pod; approx. 50 mV, 100 mV, 200 mV or 400 mV								
Minimum input slew rate	No minimum slew rate requirement								
<b>Horizontal</b>									
<b>Maximum sampling rate (real time, 8-bit mode)</b>									
Up to 2 total analog channels and/or MSO pods	5 GS/s <sup>[1]</sup>		5 GS/s <sup>[2]</sup>	5 GS/s <sup>[1]</sup>		5 GS/s <sup>[2]</sup>	5 GS/s <sup>[1]</sup>		2.5 GS/s <sup>[1]</sup> (2 analog channels) 5 GS/s (1 or no analog channels)
Up to 4 total analog channels and/or MSO pods	2.5 GS/s		2.5 GS/s <sup>[3]</sup>	2.5 GS/s		2.5 GS/s <sup>[3]</sup>	2.5 GS/s		1.25 GS/s (3-4 analog channels) 2.5 GS/s <sup>[1]</sup> (2 analog channels)
Up to 8 total analog channels and MSO pods	1.25 GS/s								
Over 8 channels and MSO pods	N/A		625 MS/s	N/A			625 MS/s	N/A	

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<b>Maximum sampling rate (real time, 10-bit mode)</b>										
1 analog channel or MSO pod	5 GS/s				N/A					
Up to 2 total analog channels and/or MSO pods	2.5 GS/s		2.5 GS/s <sup>[3]</sup>	2.5 GS/s						
Up to 4 total analog channels and/or MSO pods	1.25 GS/s									
Up to 8 total analog channels and/or MSO pods	625 MS/s									
Over 8 channels and MSO pods	N/A		312.5 MS/s	N/A						
<b>Maximum sampling rate (real time, 12-bit mode)</b>										
Up to 2 analog channels plus any MSO pods	1.25 GS/s <sup>[1]</sup>		1.25 GS/s <sup>[2]</sup>	1.25 GS/s <sup>[1]</sup>	N/A					
<sup>[1]</sup> No more than one channel from each of AB and CD										
<sup>[2]</sup> No more than one channel from each of ABCD and EFGH										
<sup>[3]</sup> No more than one channel from each of AB, CD, EF and GH										
<b>Max. sampling rate, USB 3.0 streaming mode, PicoScope 6 (split between active channels, PC dependent)</b>	~20 MS/s									
<b>Max. sampling rate, USB 3.0 streaming mode, PicoSDK (split between active channels, PC dependent)</b>	~312 MS/s (8-bit mode) ~156 MS/s (10/12-bit modes)				~312 MS/s					
<b>Max. sampling rate to on-device buffer (continuous USB streaming of downsampled data, PicoSDK only, split between enabled channels)</b>	1.25 GS/s (8-bit mode) 625 MS/s (10/12-bit modes)				1.25 GS/s					
<b>Capture memory (shared between active channels)</b>	4 GS (8-bit mode) 2 GS (10/12-bit modes)				2 GS				1 GS	
<b>Maximum single capture duration at maximum sampling rate (PicoScope 6)</b>	200 ms									
<b>Maximum single capture duration at maximum sampling rate (PicoSDK)</b>	800 ms (8-bit); 400 ms (10-bit); 1600 ms (12-bit)				400 ms				200 ms	
<b>Capture memory (continuous streaming)</b>	100 MS in PicoScope software. Buffering using full device memory when using PicoSDK, no limit on total duration of capture.									

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Waveform buffer (number of segments)	PicoScope 6: 10 000								PicoSDK: 1 000 000
	PicoSDK: 2 000 000								
Timebase ranges	1 ns/div to 5000 s/div								
Initial timebase accuracy	±2 ppm								
Timebase drift	±1 ppm/year								
ADC sampling	Simultaneous sampling on all enabled analog and digital channels								
<b>External reference clock</b>									
Input characteristics	Hi-Z, AC coupled (> 1 kΩ at 10 MHz)								
Input frequency range	10 MHz ±50 ppm								
Input connector	Rear-panel BNC, dedicated								
Input level	200 mV to 3.3 V peak to peak								
Overvoltage protection	±5 V peak max								
<b>Dynamic performance (typical)</b>									
Crosstalk (from DC to bandwidth of victim channel, equal voltage ranges)	2500:1 (±10 mV to ±1 V ranges) 600:1 (±2 V to ±20 V ranges)		1200:1 (±10 mV to ±1 V ranges) 300:1 (±2 V to ±20 V ranges)		2500:1 (±10 mV to ±1 V ranges) 600:1 (±2 V to ±20 V ranges)		1200:1 (±10 mV to ±1 V ranges) 300:1 (±2 V to ±20 V ranges)		
Harmonic distortion	–50 dB at 1 MHz full scale (8-bit mode) –60 dB at 1 MHz full scale (10/12-bit mode)				–50 dB at 1 MHz full scale				
SFDR	> 60 dB on ±50 mV to ±20 V ranges				> 50 dB on ±50 mV to ±20 V ranges				
Noise	< 150 μV RMS on most sensitive range				< 200 μV RMS on most sensitive range				
Linearity	< 2 LSB (8-bit mode) < 4 LSB (10-bit mode)				< 2 LSB				
Bandwidth flatness	(+0.3 dB, –3 dB) from DC to full bandwidth								
Low frequency flatness	< ±3% (or ±0.3 dB) from DC to 1 MHz								
<b>Triggering</b>									
Source	Any analog channel, AUX trigger, plus digital channels with optional TA369 MSO pods								
Trigger modes	None, auto, repeat, single, rapid (segmented memory)								
Advanced trigger types (analog channels)	Edge, window, pulse width, window pulse width, level dropout, window dropout, interval, runt, logic Logic allows arbitrary combinations of up to 4 analog channels or MSO ports								
Trigger sensitivity (analog channels)	Digital triggering provides 1 LSB accuracy up to full bandwidth of scope								
Advanced trigger types (digital channels, with optional MSO pods)	Edge, pulse width, dropout, interval, pattern, logic (mixed signal)								
Pre-trigger capture	Up to 100% of capture size								
Post-trigger delay	PicoScope 6: Zero to > 4x10 <sup>9</sup> samples, settable in 1 sample steps (delay range at fastest sample rate of 0.8 s in 200 ps steps) PicoSDK: Zero to > 1x10 <sup>12</sup> samples, settable in 1 sample steps (delay range at fastest sample rate of > 200 s in 200 ps steps)								

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Rapid trigger mode rearm time	700 ns max, 300 ns typical (single channel, 5 GS/s)								
Maximum trigger rate	PicoScope 6: 10 000 waveforms in 3 ms; PicoSDK: Number of waveforms up to memory segment count, at a rate of 6 million waveforms per second.								
Waveform update rate	Up to 300 000 waveforms per second in PicoScope 6 fast persistence mode								
Trigger time-stamping	Each waveform is timestamped with time from previous waveform, with sample-interval resolution. The time resets when any settings are changed.								
<b>Auxiliary trigger</b>									
Connector type	Rear-panel BNC								
Trigger types (triggering scope)	Edge, pulse width, dropout, interval, logic								
Input bandwidth	> 10 MHz								
Input characteristics	2.5 V CMOS Hi-Z input, DC coupled								
Threshold	Fixed threshold, 1.25 V nominal to suit 2.5 V CMOS								
Hysteresis	1 V max ( $V_{IH} < 1.75V$ , $V_{IL} > 0.75V$ )								
Overvoltage protection	±20 V peak max								
<b>Function generator</b>									
Standard output signals	Sine, square, triangle, DC voltage, ramp up, ramp down, sinc, Gaussian, half-sine								
Output frequency range	Sine (filtered): 100 µHz to 50 MHz; Square (full bandwidth): 100 µHz to 50 MHz; Other waves: 100 µHz to 1 MHz								
Output frequency accuracy	Oscilloscope timebase accuracy ± output frequency resolution								
Output frequency resolution	0.002 ppm								
Sweep modes	Up, down, dual with selectable start/stop frequencies and increments								
Sweep frequency range	Sine / square waves: 0.075 Hz to 50 MHz Other waves: 0.075 Hz to 1 MHz Swept frequencies down to 100 µHz are possible using PicoSDK with some restrictions								
Sweep frequency resolution	In PicoScope 6 software: 0.075 Hz Sweep frequency resolution down to 100 µHz is possible via PicoSDK with some restrictions.								
Triggering	Free-run, or from 1 to 1 billion counted waveform cycles or frequency sweeps. Triggered from scope trigger or manually.								
Gating	Software controlled gating of waveform output								
Pseudorandom output signals	White noise, selectable amplitude and offset within output voltage range Pseudorandom binary sequence (PRBS), selectable high and low levels within output voltage range, selectable bit rate up to 50 Mb/s								
Output voltage range	±5 V into open circuit; ±2.5 V into 50 Ω								
Output voltage adjustment	Signal amplitude and offset adjustable in < 1 mV steps within overall range								
DC accuracy	±(0.5% of output voltage + 20 mV)								
Amplitude flatness	< 2.0 dB to 50 MHz (sine wave into 50 Ω) < 0.5 dB to 50 MHz (square) < 1.0 dB to 1 MHz (other waveforms)								
Analog filters	50 MHz selectable filter (5-pole, 30 dB/octave)								
SFDR	70 dB (10 kHz 1 V peak to peak sine into 50 Ω)								



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Output noise	< 700 $\mu$ V RMS (DC output, filter enabled, into 50 $\Omega$ )								
Output resistance	50 $\Omega$ $\pm$ 3%								
Connector type	Rear-panel BNC								
Overvoltage protection	$\pm$ 20 V peak max								
<b>Arbitrary waveform generator</b>									
Update rate	Variable from < 1 S/s to 200 MS/s with < 0.002 ppm resolution								
Buffer size	40 kS								
Vertical resolution	14 bits (output step size < 1 mV)								
Bandwidth (-3 dB)	No filter: 100 MHz Filtered: 50 MHz								
Rise time (10% to 90%)	No filter: 3.5 ns Filtered: 6 ns								
Sweep modes, triggering, frequency accuracy and resolution, voltage range and accuracy and output characteristics as for function generator.									
<b>Probe support</b>									
Intelligent probe interface	Intelligent probe interface on four channels supporting A3000 Series active probes. Probe interface supplies power and controls the probe.								
Probe detection	Automatic detection of Pico P2036, P2056 x10 passive oscilloscope probes, and A3000 Series active probes.								
Probe compensation pin	1 kHz, 2 V peak to peak square wave, 600 $\Omega$								
Probe compensation pin rise time	< 50 ns								
<b>Spectrum analyzer</b>									
Frequency range	DC to 1 GHz	DC to 750 MHz	DC to 500 MHz		DC to 1 GHz	DC to 750 MHz	DC to 500 MHz		DC to 300 MHz
Display modes	Magnitude, average, peak hold								
Y axis	Logarithmic (dBV, dBu, dBm, arbitrary dB) or linear (volts)								
X axis	Linear or logarithmic								
Windowing functions	Rectangular, Gaussian, triangular, Blackman, Blackman-Harris, Hamming, Hann, flat-top								
Number of FFT points	Selectable from 128 to 1 million in powers of 2								
<b>Math channels</b>									
Functions	-x, x+y, x-y, x*y, x/y, x^y, sqrt, exp, ln, log, abs, norm, sign, sin, cos, tan, arcsin, arccos, arctan, sinh, cosh, tanh, delay, average, frequency, derivative, integral, min, max, peak, duty, highpass, lowpass, bandpass, bandstop, coupler								
Operands	A to H (input channels), T (time), reference waveforms, pi, 1D0 to 2D7 (digital channels), constants								
<b>Automatic measurements</b>									
Scope mode	AC RMS, cycle time, DC average, duty cycle, edge count, fall time, falling edge count, falling rate, frequency, high pulse width, low pulse width, maximum, minimum, negative duty cycle, peak to peak, rise time, rising edge count, rising rate, true RMS								
Spectrum mode	Frequency at peak, amplitude at peak, average amplitude at peak, total power, THD %, THD dB, THD+N, SFDR, SINAD, SNR, IMD								
Statistics	Minimum, maximum, average, standard deviation								

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<b>DeepMeasure™</b>									
Parameters	Cycle number, cycle time, frequency, low pulse width, high pulse width, duty cycle (high), duty cycle (low), rise time, fall time, undershoot, overshoot, max. voltage, min. voltage, voltage peak to peak, start time, end time								
<b>Serial decoding</b>									
Protocols	1-Wire, ARINC 429, BroadR-Reach, CAN & CAN FD, DALI, DCC, DMX512, Ethernet 10Base-T, Fast Ethernet 100Base-TX, FlexRay, I <sup>2</sup> C, I <sup>2</sup> S, LIN, Manchester, Modbus ASCII and Modbus RTU, PS/2, SENT Fast, SENT Slow, SPI, UART (RS-232/RS-422/RS-485), and USB (1.0/1.1)								
<b>Mask limit testing</b>									
Statistics	Pass/fail, failure count, total count								
Mask creation	User-drawn, table entry, auto-generated from waveform or imported from file								
<b>Display</b>									
Display modes	Scope, XY scope, persistence, spectrum.								
Interpolation	Linear or sin(x)/x								
Persistence modes	Digital color, analog intensity, custom, fast								
Output file formats	bmp, csv, gif, animated gif, jpg, mat, pdf, png, psdata, pssettings, txt								
Output functions	Copy to clipboard, print								
<b>General specifications</b>									
PC connectivity	USB 3.0 SuperSpeed (USB 2.0 compatible)								
PC connector type	USB Type B								
Power requirement	12 V DC from supplied PSU. Up to 5 A (scope only) or 7 A including scope-powered accessories								
Ground terminal	Functional ground terminal accepting wire or 4 mm plug, rear-panel								
Thermal management	Automatic fan speed control for low noise								
Dimensions	245 x 192 x 61.5 mm								
Weight	2.2 kg (scope only) 5.6 kg (in carry case with PSU and cables)								
Temperature range	Operating: 0 to 40 °C For quoted accuracy after 20 minutes warm-up: 15 to 30 °C Storage: -20 to +60 °C								
Humidity range	Operating: 5% to 80% RH non-condensing Storage: 5% to 95% RH non-condensing								
Altitude range	Up to 2000 m								
Pollution degree	EN 61010 pollution degree 2: "only nonconductive pollution occurs except that occasionally a temporary conductivity caused by condensation is expected"								
Safety compliance	Designed to EN 61010-1:2010 + A1:2019								
EMC compliance	Tested to EN 61326-1:2013 and FCC Part 15 Subpart B								
Environmental compliance	RoHS, REACH & WEEE								
Warranty	5 years								

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<b>Software</b>									
Windows software (32-bit or 64-bit) <sup>[4]</sup>	PicoScope 6, PicoLog 6, PicoSDK (Users writing their own apps can find example programs for all platforms on the Pico Technology organization page on <a href="#">GitHub</a> )								
macOS software (64-bit) <sup>[4]</sup>	PicoScope 6 Beta (including drivers), PicoLog 6 (including drivers)								
Linux software (64-bit) <sup>[4]</sup>	PicoScope 6 Beta software and drivers, PicoLog 6 (including drivers) See <a href="#">Linux Software and Drivers</a> to install drivers only								
Raspberry Pi 4B (Raspberry Pi OS) <sup>[4]</sup>	PicoLog 6 (including drivers) See <a href="#">Linux Software and Drivers</a> to install drivers only								
<sup>[4]</sup> See the <a href="#">picotech.com/downloads</a> page for more information.									
Languages supported, PicoScope 6	Simplified Chinese, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish								
Languages supported, PicoLog 6	Simplified Chinese, Dutch, English (UK), English (US), French, German, Italian, Japanese, Korean, Russian, Spanish								
PC requirements	Processor, memory and disk space: as required by the operating system Ports: USB 3.0 (recommended) or 2.0 (compatible)								
<b>MSO pod dimensions</b>									
MSO digital interface cable length	500 mm (scope to pod)								
MSO probe flying lead length	225 mm (pod to probe tip)								
MSO pod size	75 x 55 x 18.2 mm								
MSO probe size	34.5 x 2.5 x 6.7 mm (including ground clip)								

## 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)