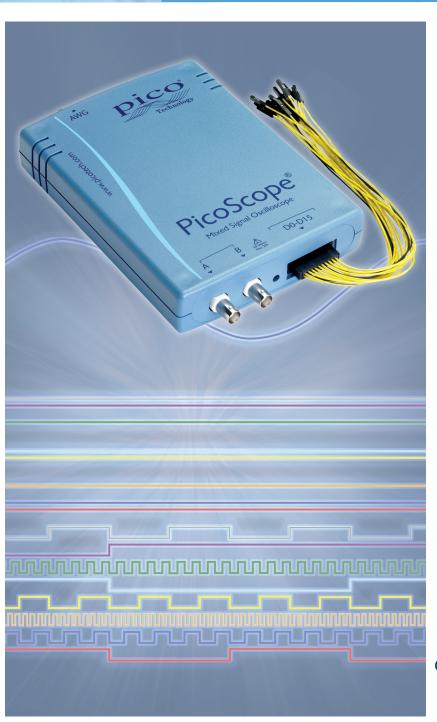


# PicoScope® 2205 MSO

MIXED SIGNAL OSCILLOSCOPE



2 analog channels 16 digital channels Arbitrary waveform generator

25 MHz bandwidth 100 MHz max. digital input frequency 200 MS/s mixed signal sampling Advanced digital triggers

Free SDK includes example programs
Free technical support
Free updates
Compatible with Windows 7, Windows 8
and Windows 10

#### **FULL-FEATURED OSCILLOSCOPE**

The PicoScope 2205 MSO from Pico Technology is a 2+16 channel, 8-bit resolution oscilloscope. This means that along with 2 analog channels, the PicoScope 2205 MSO also has 16 digital inputs, so you can view your digital and analog signals simultaneously.

The PicoScope 2205 MSO is a full-featured oscilloscope. A function generator and arbitrary waveform generator are built in and include a sweep function. It also offers mask limit testing, math and reference channels, advanced digital triggering, serial decoding, automatic measurements and color persistence display.



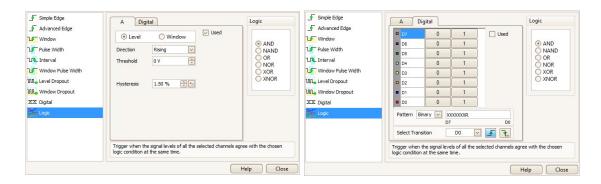
#### **TRIGGERING**

The PicoScope 2205 MSO offers a comprehensive set of advanced digital triggers including: pulse width, windowed and dropout triggers to help you capture the data you need. Digital triggering reduces timing errors and allows our oscilloscopes to trigger on the smallest signals, even at the full bandwidth. Trigger levels and hysteresis can be set with high resolution.

Digital triggering reduces rearm delay and, combined with the segmented memory, allows the triggering and capture of events that happen in rapid sequence. The mask limit testing function can then scan through these waveforms to highlight failed waveforms for viewing in the waveform buffer.

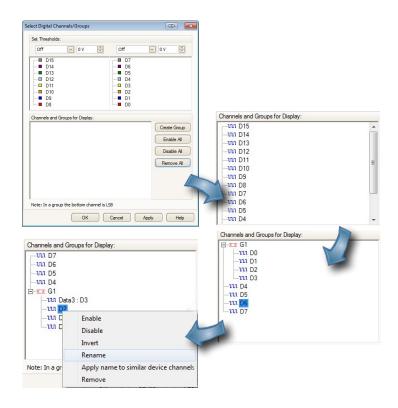
The 16 digital inputs can be displayed individually or in arbitrary groups labelled with binary, decimal or hexadecimal values. A separate logic threshold from –5 V to +5 V can be defined for each 8-bit input port. The digital trigger can be activated by any bit pattern combined with an optional transition on any single input.

Advanced logic triggers can be set on either the analog or digital input channels, or both.



## SELECTING DIGITAL CHANNELS, OR GROUPS

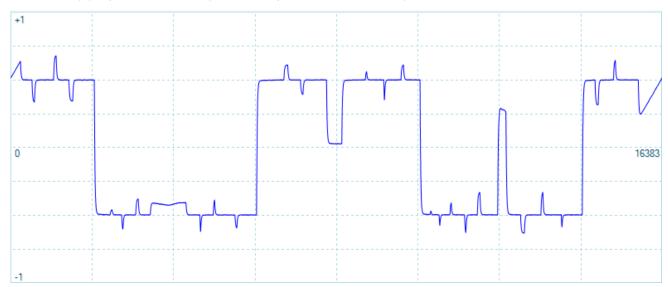
Selecting the digital channels in the software couldn't be easier. Just open the user interface ( ), and then drag and drop to add the channels you want to see. These channels can be arranged into any order, grouped, renamed, and even temporarily disabled if required.



#### ARBITRARY WAVEFORM AND FUNCTION GENERATOR

The unit has a built-in signal generator (sine, square, triangle, DC level). As well as basic controls to set level, offset and frequency, more advanced controls allow you to sweep over a range of frequencies.

Also included is a fully programmable arbitrary waveform generator with a 8 ksample buffer.



## **OUR COMMITMENT**

To protect your investment, both the API and the firmware inside the unit can be updated. We have a long history of providing new features for free via our software downloads. Other companies make vague promises about future enhancements but we deliver on our promise of free updates, year after year.

Users of our products reward us by becoming lifelong customers, frequently recommending us to their colleagues.

## **PRODUCT SPECIFICATIONS**

VERTICAL (Anal	og)
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Number of channels	2		
nput connectors	BNC		
Bandwidth (–3 dB)	25 MHz		
Rise time	14 ns		
Resolution	8 bits		
nput impedance	1 MΩ ±1 % <b>  </b> 14 pF ±2 pF		
nput coupling	AC/DC		
nput sensitivity	10 mV/div to 4 V/div (10 vertical divisions)		
nput ranges	±50 mV, ±100 mV, ±200 mV, ±500 mV, ±10 V, ±20 V		
DC accuracy	±3 % of full scale		
Noise count	≤ 3 counts		
Overvoltage protection	±100 V (DC + AC peak)		
VERTICAL (Digital)			
Number of channels	16		
nput connectors	2.54 mm, 10 × 2 way connector		
Maximum input frequency	100 MHz		
nput impedance (with TA136 cable)	200 kΩ ±2 %    8 pF ±2 pF		
Digital threshold range	±5 V		
nput dynamic range	±3 V ±20 V		
Overvoltage protection	±50 V		
Fhreshold grouping	Two independent threshold controls - Port 0: D7-D0 and Port 1: D15-D8		
Fhreshold selection	TTL, CMOS, ECL, PECL, User Defined		
Threshold accuracy	±100 mV		
Minimum input voltage swing	500 mV		
Channel-to-channel skew	< 5 ns		
Minimum input slew rate	10 V/μs		
HORIZONTAL			
TOMZONIAL			
Max. sampling rate			
Max. sampling rate Ch A / Ch A + 1 digital port:	200 MS/s		
Max. sampling rate Ch A / Ch A + 1 digital port: 1 or 2 digital ports:	200 MS/s		
Max. sampling rate  Ch A / Ch A + 1 digital port:  1 or 2 digital ports:  All other combinations:	200 MŚ/s 100 MS/s		
Max. sampling rate Ch A / Ch A + 1 digital port: 1 or 2 digital ports:	200 MS/s		
Max. sampling rate  Ch A / Ch A + 1 digital port:  1 or 2 digital ports:  All other combinations:  Maximum equivalent-time sampling (ETS)	200 MŚ/s 100 MS/s		
Max. sampling rate  Ch A / Ch A + 1 digital port:  1 or 2 digital ports:  All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate	200 MS/s 100 MS/s 4 GS/s		
Max. sampling rate  Ch A / Ch A + 1 digital port:  1 or 2 digital ports:  All other combinations:  Maximum equivalent-time sampling (ETS)  rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total)		
Max. sampling rate  Ch A / Ch A + 1 digital port:  1 or 2 digital ports:  All other combinations:  Maximum equivalent-time sampling (ETS)  rate (repetitive signals)*	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent)		
Max. sampling rate  Ch A / Ch A + 1 digital port:  1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports		
Max. sampling rate  Ch A / Ch A + 1 digital port:  1 or 2 digital ports:  All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer:  PicoScope software	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer:  PicoScope software  PicoScope software	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory Buffer memory (continuous streaming)  Waveform buffer:  PicoScope software PicoScope software (rapid trigger mode) SDK	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 32 hardware segments		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer:  PicoScope software  PicoScope software  PicoScope software (rapid trigger mode)  SDK  SDK (user's software)	200 MS/s 100 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments Unlimited		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer:  PicoScope software  PicoScope software  PicoScope software (rapid trigger mode)  SDK  SDK (user's software)	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 32 hardware segments Unlimited  Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div.		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer: PicoScope software PicoScope software (rapid trigger mode) SDK SDK (user's software)  Timebase ranges	200 MS/s 100 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 32 hardware segments Unlimited  Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div. ±100 ppm		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer:  PicoScope software  PicoScope software (rapid trigger mode) SDK SDK (user's software)  Timebase ranges  Timebase accuracy  Sampling jitter	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 32 hardware segments Unlimited  Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div.		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer: PicoScope software PicoScope software (rapid trigger mode) SDK SDK (user's software)  Timebase ranges  Timebase accuracy  Sampling jitter  DYNAMIC PERFORMANCE (Typical)	200 MS/s 100 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 32 hardware segments Unlimited  Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div.  ±100 ppm < 300 ps RMS		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer: PicoScope software PicoScope software PicoScope software (rapid trigger mode) SDK SDK (user's software)  Timebase ranges  Timebase accuracy  Sampling jitter  DYNAMIC PERFORMANCE (Typical)  Crosstalk	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 40 hardware segments Unlimited  Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div. ±100 ppm < 300 ps RMS  > 200:1 up to full bandwidth for equal voltage ranges		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory Buffer memory (continuous streaming)  Waveform buffer: PicoScope software PicoScope software (rapid trigger mode) SDK SDK SDK (user's software)  Timebase ranges  Timebase accuracy  Sampling jitter  DYNAMIC PERFORMANCE (Typical)  Crosstalk  Harmonic distortion	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent)  48 kS shared between active channels and ports  20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 32 hardware segments Unlimited  Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div.  ±100 ppm < 300 ps RMS  > 200:1 up to full bandwidth for equal voltage ranges < -55 dB @ 100 kHz full scale input		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer: PicoScope software PicoScope software PicoScope software (rapid trigger mode) SDK SDK (user's software)  Timebase ranges  Timebase accuracy  Sampling jitter  DYNAMIC PERFORMANCE (Typical)  Crosstalk	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 40 hardware segments Unlimited Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div. ±100 ppm < 300 ps RMS  > 200:1 up to full bandwidth for equal voltage ranges < -55 dB @ 100 kHz full scale input > 55 dB @ 100 kHz full scale input		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory Buffer memory (continuous streaming)  Waveform buffer: PicoScope software PicoScope software (rapid trigger mode) SDK SDK SDK (user's software)  Timebase ranges  Timebase accuracy  Sampling jitter  DYNAMIC PERFORMANCE (Typical)  Crosstalk  Harmonic distortion	200 MS/s 100 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 32 hardware segments Unlimited  Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div. ±100 ppm < 300 ps RMS  > 200:1 up to full bandwidth for equal voltage ranges < -55 dB @ 100 kHz full scale input  > 55 dB @ 100 kHz full scale input  < 3 counts (all ranges)		
Max. sampling rate  Ch A / Ch A + 1 digital port: 1 or 2 digital ports: All other combinations:  Maximum equivalent-time sampling (ETS) rate (repetitive signals)*  Maximum sampling rate (continuous USB streaming)  Buffer memory  Buffer memory (continuous streaming)  Waveform buffer:  PicoScope software PicoScope software (rapid trigger mode) SDK SDK (user's software)  Timebase ranges  Timebase accuracy  Sampling jitter  DYNAMIC PERFORMANCE (Typical)  Crosstalk  Harmonic distortion	200 MS/s 100 MS/s 4 GS/s  1 MS/s on all scope channels and digital ports in PicoScope 6 (4 MS/s total) > 20 MS/s using supplied SDK (PC-dependent) 48 kS shared between active channels and ports 20 MS in PicoScope software. Up to available PC memory when using supplied SDK  10 000 software segments 32 hardware segments 40 hardware segments Unlimited Real-time: 50 ns/div to 5000 s/div. ETS* mode: 2 ns/div to 5000 s/div. ±100 ppm < 300 ps RMS  > 200:1 up to full bandwidth for equal voltage ranges < -55 dB @ 100 kHz full scale input > 55 dB @ 100 kHz full scale input		

<sup>\* (</sup>ETS is available on analog channels only)

## **SPECIFICATIONS CONTINUED**

Trigger modes	None, Auto, Repeat, Single, Rapid (segmented memory)			
Max. pre-trigger capture	100% of capture size			
Max. post-trigger delay	4 billion samples			
Trigger rearm time	< 2 μs on fastest timebase			
Max. trigger rate	32 waveforms in a 100 μs burst			
TRIGGERING (Analog)				
Source	Ch A, Ch B			
Trigger types	Rising, falling			
Advanced triggers	Edge, Window, Pulse width, Window pulse width, Dropout, Window dropout, Interval, Runt pulse, Lo			
Trigger sensitivity	Digital triggering provides 1 LSB accuracy up to full bandwidth of scope.  ETS mode: Typical 10 mV p-p, at full bandwidth			
TRIGGERING (Digital)	2.6 model typical to mit p.p., actail ballottidal			
Source	D15 to D0			
Trigger types	Combined Level and Edge			
Advanced triggers	Data pattern (can be grouped by user)			
TRIGGERING (Logic)				
Source	Ch A, Ch B, and D15 to D0			
Trigger types				
	Logic trigger across analog and digital inputs (using AND, NAND, OR, NOR, XOR, XNOR)			
	ARBITRARY WAVEFORM GENERATOR			
Connector	Rear panel, BNC			
Standard waveforms	Sine, square, triangle, DC voltage, ramp, sinc, gaussian, half-sine, white noise			
Standard signal frequency	DC to 100 kHz			
Sweep modes	Up, down, dual with selectable start / stop frequencies and increments			
Triggering	Free-run, or from 1 to 1 billion counted waveform cycles or frequency sweeps. Triggered from scope trigger community.			
Output frequency resolution	< 0.01 Hz			
Output voltage range	±2 V			
Output voltage adjustment	Signal amplitude and offset adjustable in 1 mV steps within overall ±2 V range			
Amplitude flatness	< 1 dB to 100 kHz			
DC accuracy	±1 % of full scale			
SFDR	> 55 dB @ 1 kHz, full scale sine wave			
Output resistance	600 Ω			
Overvoltage protection	±10 V			
AWG update rate	2 MS/s			
AWG buffer size	8 ksamples			
AWG resolution	12 bits			
AWG bandwidth	100 kHz			
AWG rise time (10-90 %)	< 2 μs			
Buffer index mode	Repeat			
Phase accumulator	32 bits			
Pk-pk output range	±250 mV to ±2 V			
Arbitrary waveform  SPECTRUM ANALYZER	Downloadable user defined waveforms. 1 sample to 8 ksamples (user-selectable)			
Frequency range	DC to 25 MHz			
Display modes	Magnitude, average, peak hold			
Windowing functions	Rectangular, Gaussian, triangular, Blackman, Blackman-Harris, Hamming, Hann, flat-top			
Number of FFT points	Selectable from 128 to half available buffer memory in powers of 2			
MATH CHANNELS				
Functions	+, -, *, /, sqrt, ^, exp, ln, log, abs, norm, sign, sin, cos, tan, asin, acos, atan, sinh, cosh, tanh, derivative, integral, freq, duty, min, max, average, peak			
1 directoris	integral tred duty min may average beak			

## SPECIFICATIONS CONTINUED

#### **AUTOMATIC MEASUREMENTS**

AUTOMATI	C MEASUREMENTS			
Oscilloscope		AC RMS, true RMS, DC average, cycle time, frequency, duty cycle, falling rate, fall time, rising rate, rise time, high pulse width, low pulse width, maximum, minimum, peak to peak		
Spectrum		Frequency at peak, amplitude at peak, average amplitude at peak, total power, THD %, THD dB, THD plus noise, SFDR, SINAD, SNR, IMD		
Statistics		Minimum, maximum, average and standard deviation		
SERIAL DEC	ODING			
Protocols		I <sup>2</sup> C, I <sup>2</sup> S, SPI, RS-232/UART, CAN, LIN, FlexRay		
MASK LIMI	T TESTING			
Statistics		Pass/fail, failure count, total count		
DISPLAY				
Interpolation		Linear		
Persistence m	odes	Digital color, analog intensity, custom, or none		
GENERAL				
PC connectivity		USB 2.0 hi-speed		
Dimensions		200 × 140 × 40 mm (including connectors)		
Weight		< 0.5 kg		
Power requirements		Powered from USB port		
Operating:	Temperature range	0 °C to 50 °C (20 °C to 30 °C for stated accuracy)		
	Humidity range	5% to 80% RH, non-condensing		
Storage:	Temperature range	−20 °C to +60 °C		
	Humidity range	5% to 95% RH, non-condensing		
Safety approv	als	Designed to EN 61010-1:2010		
EMC approvals		CE: Tested to EN61326-1:2006. FCC: Tested to part 15 subpart B		
Environmental approvals		RoHS and WEEE compliant		
Software /PC	requirements	PicoScope 6: Windows 7, Windows 8 (not Windows RT) and Windows 10 (32-bit or 64-bit)		
Software/PC requirements		SDK and example programs: Microsoft Windows XP (SP3), Vista, 7, 8 (not RT) and 10 (32-bit or 64-bit)		
Languages		English, Chinese (Simplified), Chinese (Traditional), Czech, Danish, Dutch, Finnish, French, German, Greek, Hungarian, Italian, Japanese, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish		

## **PRODUCT PACKS**

The following Product Packs are available for the PicoScope 2205 MSO:

#### **PP798**

- PicoScope 2205 MSO
- TA136 digital cable 2 x TA139 pack of 10 test clips 2 x MI007 probes
- PicoScope probe pouch
- Software and Reference CD
- Quick Start Guide
- USB cable

## PP823

- PicoScope 2205 MSO
- Software and Reference CD
- Quick Start Guide







## **ACCESSORIES**

The following accessories for the PicoScope 2205 MSO are also available separately:

#### **PP**787

2 x MI007 probes

#### TA136

20-way 25 cm digital cable

## **TA139**

Pack of 10 test clips

## **CONNECTIONS**



The front panel of the PicoScope 2205 MSO has two BNC analog input channels and a 20-way connector with 16 digital inputs.



The rear panel of the PicoScope 2205 MSO has two connections: a USB port for connection to the PC, and a BNC for the AWG/function generator connection.



## Have you seen our PicoScope 2000 Series data sheet?

It shows the full range of features available with the PicoScope software, making your PicoScope 2000 Series oscilloscope even more powerful. This includes how to use your oscilloscope as a spectrum analyzer. All of these capabilities are included in the price of your oscilloscope.

## **ORDERING INFORMATION**

ORDER CODE	PART DESCRIPTION	GBP*	USD*	EUR*
PP823	PicoScope 2205 MSO	249	409	349
PP798	PicoScope 2205 MSO kit	299	489	419
TA136	25 cm digital cable	10	17	14
TA139	Pack of 10 clips	18	30	26
MI007	60 MHz probe	15	25	21

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