

PicoScope 2104 and 2105 Handheld Scope

Specifications

Variant	PicoScope 2104	PicoScope 2105
Bandwidth	10 MHz	25 MHz
Channels	1	
Vertical resolution	8 bits	
Enhanced vertical resolution	12 bits	
Dynamic range	48 dB	
Accuracy	±3%	
Linearity	< 1 LSB at 25 °C	
Input ranges (full scale)	±100 mV to ±20 V in 8 ranges	
Input characteristics	1 MO in parallel with 20 pF	
Input type	Oscilloscope probe	
Input coupling	Software selectable AC/DC	
Overload protection	±50 V (DC+AC peak)	
Maximum sampling rate (single shot)	50 MS/s	100 MS/s
Sampling rate (repetitive signals)	1 GS/s	2 GS/s
Maximum sampling rate (continuous streaming mode)	1 kS/s (Record length limited to 65 kS in PicoScope, unlimited when using the supplied API)	
Buffer memory	8000 samples	24000 samples
Waveform buffer	Up to 10000 waveforms	
Timebase ranges	200 ns/div to 200 s/div (10 ns/div to 200 s/div with ETS)	100 ns/div to 200 s/div (5 ns/div to 200 s/div with ETS)
PC Requirements		
Minimum	Processor: Pentium II processor, or equivalent Memory: 64 MiB (XP) / 512 MiB (Vista) / 1 GiB (Win 7) minimum Operating system: 32 or 64-bit edition of Microsoft Windows XP SP2, Vista or Windows 7 Ports: USB 2.0 compliant port	
Recommended	Processor: 2 GHz Pentium IV processor, or equivalent Memory: 256 MiB (XP) / 1 GiB (Vista / Win 7) Operating system: 32 or 64-bit edition of Microsoft Windows XP SP2 (or above), Vista or Windows 7 Ports: USB 2.0 compliant port	
Environmental		
Operating environment Temperature range	0 °C to 45 °C (20 °C to 30 °C for quoted accuracy)	

Physical Dimensions	
Dimensions	Probe: 220 mm (8.6 in) long Probe and cable: 3 m (9.8 ft) long Diameter: 32 mm (1.2 in)
Software	
PicoScope 6 for Windows	PicoScope 6 is your complete test and measurement lab in one application. Features include: Capture modes - oscilloscope, spectrum and persistence modes Channel maths - calculate the sum, difference, product, inverse or create your own custom function using standard arithmetic, exponential and trigonometric functions Automated measurements Scope mode: AC RMS, cycle time, DC average, duty cycle, falling rate, fall time, frequency, high pulse width, low pulse width, maximum, minimum, peak-to-peak, rise time and rising rate Spectrum mode: frequency at peak, amplitude at peak, total power, total harmonic distortion (THD), total harmonic distortion plus noise (THD+N), spurious-free dynamic range (SFDR), signal+noise+distortion to signal+noise ratio (SINAD), signal to noise ratio (SNR) and intermodulation distortion (IMD) Export data formats - Comma separated values (CSV), tab delimited (TXT), windows bitmap (BMP), graphics interchange format (GIF), portable network graphics (PNG), MATLAB 4 format (MAT)
PicoLog for Windows	PicoLog data acquisition software can collect up to 1 million samples. Features include: Multiple views - view data as a graph, spreadsheet or text Parameter scaling - convert raw data into standard engineering units Math functions - use mathematical equations to calculate additional parameters Alarm limits - program an alert if a parameter goes out of a specified range IP networking - transfer measurements via a LAN or over the Internet
Linux drivers	32-bit and 64-bit
Software development kit	A growing collection of drivers and example code for various programming languages
Language support	
Software PicoLog PicoScope 6	Full support for English, French and German; menus only for Italian and Swedish Full support for English, French, Italian, German and Spanish. Menus and dialogs only for Dutch, Hungarian and Simplified Chinese.
Documentation User's guide	English, French, German, Italian, Spanish
Programmer's guide Installation guide	English, French, German, Italian, Spanish

General	
Additional hardware (supplied)	USB 2.0 cable, user manuals, software CD-ROM
PC interface	USB 2.0 (USB 1.1 compatible) - cable supplied
Power requirements	Powered from USB port
Compliance	FCC, CE
Total Satisfaction Guarantee	In the event that this product does not fully meet your requirements you can return it for an exchange or refund. To claim, the product must be returned in good condition within 14 days.
Warranty	5 years

Note: quoted specifications apply when using PicoScope 6 software.

For any queries,

Please Contact



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