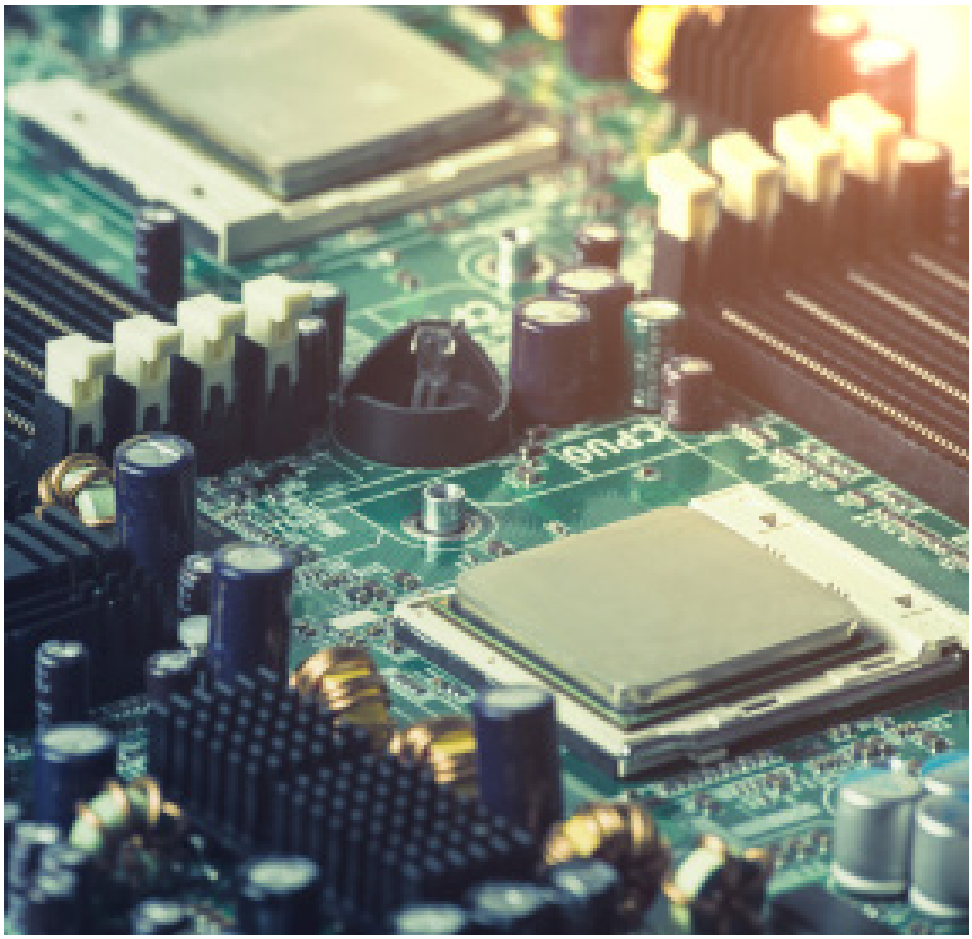
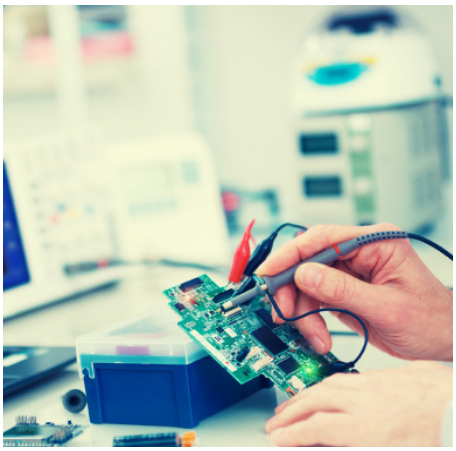
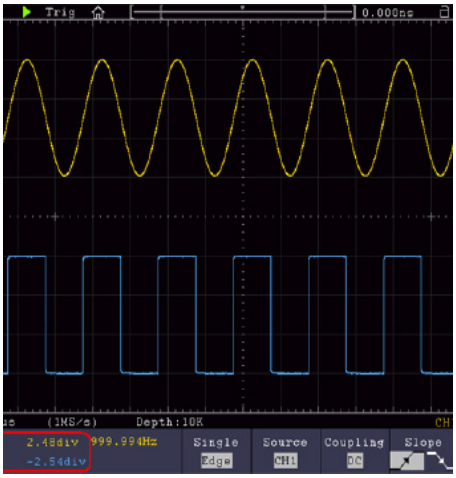
Model P2016 Handheld Digital Oscilloscope







Features

- 2 in 1 (DSO + Multimeter)
- 20 group automatic measurement options
- USB data transmission supported
- Waveform record and replay
- Rechargeable Li-ion battery (6 hours' backup)

Applications

- Electronic circuit debugging
- Education and training
- Circuit testing
- Design and manufacture
- Automobile maintenance and testing

Model P2016 Datasheet v1.0

Handheld Digital Storage Oscilloscope

Model P2016 Handheld Digital Storage Oscilloscope

Model P2016

Description

The Model P2016 is a handheld electrical test device that combines a 20MHz, two-channel, handheld digital oscilloscope for viewing electrical signals with a manual- and auto-ranging digital multimeter for measuring AC and DC voltage to 400V, AC and DC current to 10 amp, resistance to 40 MΩ, and capacitance to 100 µF. The oscilloscope has a maximum real-time sample rate of 100 MS/s and a record length of 6,000 points per channel for acquiring detailed wave-forms.

Performance Specifications

Bandwidth		100MHz
Sample Rate (real time)		1GS/s
Horizontal Scale (s/div)		5ns/div~100s/div, step by 1~2~5
Rise Time (at input, typical)		3.5ns
Display		3.7” color TFT display (640 × 480 pixels)
Channel		dual
Input Impedance		1MΩ ± 2%, in parallel with 15pF ± 5pF
Record Length		6K points
Interpolation		sin (x) / x
Probe Attenuation Factor		1X, 10X, 100X, 1000X
Input Coupling		DC, AC, and GND
DC Accuracy (average)		Average >16 : ±(5% reading + 0.05div) for □ V
Vertical Sensitivity		5mV/div~5V/div (at input)
Vertical Resolution (A/D)		8 bits
Max Input Voltage		400V (PK - PK) (DC + AC, PK - PK, 1MΩ input impedance, probe attenuation 10 : 1), CAT II
Trigger Type		Edge, Video, and Alternate
Trigger Mode		Auto, Normal, and Single
Trigger Level		±6 divisions from screen center
Acquisition Mode		Sample, Peak Detect, and Average
DC Gain Accuracy		±3%
Automatic Measurement		Vpp, Vavg, Vrms, Freq ,Period, Vmax, Vmin, Vtop, Vbase, Vamp, Overshoot, Preshoot, Rise Time, Fall Time, +Width, -Width, +Duty, -Duty, Delay A→B , Delay A→B
Waveform Math		+, -, ×, ÷, Invert, FFT
Waveform Storage		4 waveforms
Lissajous Figure	Bandwidth	full bandwidth
	Phase Difference	±3 degrees
Communication Interface		USB
Power Supply		100V-240V AC, 50/60Hz
Li-ion Battery		7.4V, 6 hours’ operation
Dimensions (W × H × D)		115 × 180 × 40 (mm)
Weight (without package)		645.00 g

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