



Compact Size, Various Functions

The DHO900 series is high-performance economical digital oscilloscope.

Though compact in design, it has superior performance. It features a capture rate up to 1,000,000 wfms/s (in UltraAcquire Mode), 50 Mpts memory depth, 12 bits resolution, and low noise. The DHO900 series supports 16 digital channels. One instrument can make an analysis on both the analog and digital signals to meet the embedded design and test scenarios. With an affordable price equivalent to purchasing an entry-level instrument, you can access the auto serial and parallel bus analysis, bode plot analysis, and other functions to meet the test demands in the R&D, education, and scientific research fields.

Features

- Ultra-low noise floor, purer signal, never miss the small signals.
- Up to 12 bits resolution for all the models of this series.
- Max. analog bandwidth of 250 MHz, 4 analog channels.
- 16 digital channels (std.), logic probe required to be purchased if needed.
- Max. real-time sample rate of 1.25 GSa/s.
- Max. memory depth of 50 Mpts.
- Vertical sensitivity range: 200 μ V/div to 10 V/div.
- Max. capture rate of 1,000,000 wfms/s (in UltraAcquire mode).
- Digital phosphor display with real-time 256-level intensity grading.
- Integrates the AFG function, bode plot analysis, histogram, digital signal analysis, and etc.
- Waveform search and navigation function allows you to debug the signal anomalies faster.
- 7" (1024x600) capacitive multi-touch screen.
- Brand new Flex Knob brings user-friendly experience.
- USB Device & Host, LAN, and HDMI interfaces (std.) for all the models of this series.
- Novel and delicate industrial design, easy to operate.
- Unique online upgrade.

Technical Specifications

Model	DHO914	DHO914S	DHO924	DHO924S
Analog Bandwidth (-3 dB)	125 MHz		250 MHz	
Rise Time (10% to 90%, typical)	≤2.8 ns		≤1.4 ns	
No. of Input/Output Channels	4 input analog channels 16 input digital channels (required to purchase the PLA2216 logic analyzer probe) single-channel arbitrary function generator (AFG) output (only available for the S model)			
Sampling Mode	Real-time Sampling			
Max. Sample Rate of Analog Channel	1.25 GSa/s (single-channel[1]), 625 MSa/s (dual-channel[2]), 312.5 MSa/s (full-channel)			
Max. Memory Depth	50 Mpts (single-channel[1]), 25 Mpts (dual-channel[2]), 10 Mpts (fullchannel)			
Max. Waveform Capture Rate	30,000 wfms/s (Vector Mode) 1,000,000 wfms/s (UltraAcquire Mode)			
Vertical Resolution	12 bits			
Hardware Real-time Waveform Recording and Playing	Max. 500,000 frames			
Peak Detection	Capture 1.6 ns glitches			
LCD Size and Type	7" capacitive multi-touch screen			
Display Resolution	1024 x 600 pixel			