



Compact Size, Various Interfaces

The DHO800 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), 25 Mpts memory depth, 12 bits resolution, and low noise. The DHO800 series is a brand new economical digital oscilloscope designed for the vast mainstream digital oscilloscope market to meet their design, debugging, and test demands.

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 100 MHz, 4 analog channels, external trigger output (std.) available for the dual-channel model.
- Max. real-time sample rate of 1.25 GSa/s.
- Max. memory depth of 25 Mpts.
- Vertical sensitivity range: 500 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.
- 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	DHO802	DHO804	DHO812	DHO814
Analog Bandwidth (-3 dB)	70 MHz		100 MHz	
Rise Time (10% to 90%, typical)	≤5 ns		≤3.5 ns	
No. of Analog Channels	2 + EXT	4	2 + EXT	4
Sampling Mode	Real-time Sampling			
Max. Sample Rate of Analog Channel	Two-channel model: 1.25 GSa/s (single-channel), 625 MSa/s (full-channel) four-channel model: 1.25 GSa/s (single-channel), 625 MSa/s (dual-channel), 312.5 MSa/s (full-channel)			
Max. Memory Depth	Two-channel model: 25 Mpts (single-channel), 10 Mpts (full-channel) four-channel model: 25 Mpts (single-channel), 10 Mpts (dual-channel), 1 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			