



Phoenix Scope

Diagnostic Innovation

The Phoenix Scope allows technicians to diagnose issues with automotive electronics and wiring quickly. It captures circuit signals swiftly and displays signal waveforms at a slower speed for simultaneous observation and analysis. Furthermore, it can record tested signal waveforms and replay them for further observation and fault analysis. The Phoenix Scope pairs with TOPDON Phoenix Scan Tools and several scope accessories. Optional accessories include 20:1 adapters, current clamps, ignition clamps, multimeter probes, and signal probe wands.

Compatible with: Max,
Smart, Elite & Lite models

Features:

- 23 Automatic Measurements
- Supports Circuit Tests, Sensor Tests, Actuator Tests, Ignition Tests, Communication Tests, Combination Tests, and more.
- 50M Memory Depth
- Saves Waveforms With One Touch
- Operates Horizontal & Vertical Cursors Independently With Highlight Tapping
- Input data with a keyboard instead of knobs •Save preferred system settings as configuration files
- Reference previous waveforms in other channels
- Supports Mathematical Operations On Waveform Graphs

What's in the Box:

- Phoenix Scope
- Quick Start Guide
- User Manual
- BNC to 4mm Test Leads
- Probe Assembly
- Back Probe Pins Suite
- USB Cable
- Crocodile Clips

Specs:

- Number of Channels: 4
- Bandwidth: 100MHz
- Rise Time: $\leq 3.5\text{ns}$ (typical)
- Protocol Decoding: CAN, LIN
- Trigger Type: Edge, Pulse Width
- Trigger Mode: Normal, Auto, Single Sequence
- Real-Time Sampling Rate (Max): 1Gsa/s(single channel); 500MS/s(dual channel); 250MS/s(four channels)
- Input Impedance: $1\text{M}\Omega \pm 1.5\%$
- Vertical Stall: 5mV~10V
- Vertical Offset: $\pm 2.5\text{V}$ (probe X1, $< 500\text{mV/div}$) $\pm 120\text{V}$ (probe X1, $\geq 500\text{mV/div}$)
- Invert: Support •Channel Coupling: DC, AC
- Math: Dual Waveform/FFT
- Time Base Accuracy: 20ppm (typical value, ambient temperature $+25^\circ\text{C}$)
- Power Supply: USB Port & DC Port
- Memory Depth: 50M (shared by 4 channels) Auto, 10K, 100K, 1M, 10M
- Sample Bit: 8 •Vertical Accuracy: $\pm 3\%$



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