

TECH-SCOPE™

3857

The OTC Tech-Scope™ is a standalone two-channel high-speed lab and ignition oscilloscope with multimeter that allows service technicians to quickly and efficiently test and measure virtually all of the electrical and electronic components and circuits in a modern vehicle. The tool features galvanic isolation not found on automotive scopes for hardware protection and includes an ignition scope and a digital multimeter with an ohm meter. The Tech-Scope is capable of reading 40 million samples per second on each channel with 10 ohm input impedance—eliminating the need for special adapters to capture signals from critical components. The included InfoTech software provides a vehicle-specific repair information database for testing most common vehicle components with step-by-step test procedures using a lab scope or multimeter.

Oscilloscope Features:

- Lab scope, ignition scope and digital multimeter display are user selectable.
- Vertical cursors show time difference/frequency between the two cursors and waveform values at the selected points.
- Automatic record stores waveforms in a circular buffer with 50 screens of data.
- AC/DC coupling.
- Auto setup automatically adjusts the vertical scale, the sweep time and trigger point.
- Peak detect captures high speed signals at the maximum sampling rate, even at slow sweep speed and is user selectable.
- Ability to capture the analog and digital glitches, along with the current waveform.
- Selectable glitch sensitivity: low – medium – high.
- Ability to change the background color.
- Ability to play the recorded files.
- Ability to enable or disable the scale grids.
- Ability to enable or disable the scale display.
- Ability to save the screen shot of the display.

Digital Multimeter Features:

- Measures:
 - DC volts
 - True RMS AC volts
 - Ohms
- Continuity check with audible beep features ability to turn audio on or off.
- Frequency
- Duty cycle
- Pulse width
- Auto scale
- Screen refresh is at the rate of 10 times/sec.
- Ability to view the data in following graph types:
 - Strip chart
 - Dial chart
 - Bar chart
 - Digital chart
- Ability to view the minimum, maximum and average values.
- Ability to turn the grid lines on or off for strip chart.
- Ability to toggle the background between two colors.
- Ability to turn the scale display on or off.

3857 includes: Tech-Scope, scope probe green, scope probe yellow, kV probe secondary, ground clamp USB cable, Tech-Scope CD, one-year warranty and protective carry case.



3398

Fuel Injection Pulse Tester

Fuel injector testing requires precision equipment. This vehicle powered tool fills that requirement. It enables you to check cylinder balance by firing individual injectors at 1/2-second increments in three different ranges: 1 pulse of 500 milliseconds, 50 pulses of 10 milliseconds, 100 pulses of 5 milliseconds.

- Power and output lights indicate test activation.
- Includes wiring harness adapter and instructions.



3395

Multimedia Interface Tester (MIT)

- Will pair via Bluetooth, Auxiliary or USB to vehicle to diagnose connectivity issues.
- Verify and diagnose customer complaints when connecting with infotainment systems.
- Provides a clean signal for accurate and reliable diagnostics.
- Works on Ford, GM and Hyundai vehicles.
- Includes a storage case that will accommodate the MIT and related adapters, etc.



3415

CAN Test Box

Breakout Box and Protocol Detector

- Connects between Diagnostic Link Connector (DLC) and scan tool
- Detects data and protocol communication
- Monitors system voltage – Display and high/low alarm
- Connect leads for increased diagnosis, analysis, and monitoring

Useful Functions

- Verify ECU activity
 - LEDs at pin-out display signal detection, Flashing LEDs for ECU activity
- Monitoring of OBDII data lines
- Probe lines with scope or multimeter for detailed signal information
- Check & monitor battery voltage
 - Continuous numeric display or voltage
 - Alarm warning when voltage drops below 11.6v or rises above 15.2v

