

"The drive test is an interactive, menu-driven test that uses live vehicle sensor information while performing an accelerated drive test. The technician can see live results on the tester while performing the test, and print the results to an IR printer later."

HYB Hybrid Battery System Analyzer

TEST AND ANALYZE HYBRIDS

The HYB provides technicians with the capability to perform battery service maintenance testing on several leading Hybrid vehicles.

Simply connect the wireless convergence communication module to the vehicle's on-board diagnostics port and follow the menu instructions on the HYB.

The following test functions are available:

- 12 volt Auxiliary Battery Test
- DTC Code Reading
- DTC Code Reset
- Live Data – Run Chart
- Drive Test



Why you need the HYB Hybrid Battery System Analyzer:

- Put your shop in the hybrid service business
- One person test – easy to use
- Consistent test across all vehicle manufacturers
- Safe – no exposure to dangerous high voltage
- No training required – follow menu and directions
- Preventative maintenance:
Find problem packs and cells before they cause a system failure



Specifications:

Model:

HYB-1000

- Hybrid Battery System Analyzer Includes: HYB, A155 wireless communication module, CVG wireless convergence module, 4-foot battery test cables for auxiliary battery test, A156 Tool bag

HYB-1000 KIT

Same as above plus the A087 IR Printer

Application:

- Drive Test
Test Hybrid Batteries while in-vehicle
- Test 12-volt Auxiliary battery
- Read DTC Codes
- Clear DTC Codes
- Live Data—Run Chart

Power Requirements:

(6) AA Alkaline Batteries

Display:

- HYB: 128 x 64 pixel graphics, backlit display
- CVG: LED

Operating Temperature:

32°F – 120°F (0°C – 49°C)

Test Leads:

4-foot cable with dual conductor Kelvin clamps

Housing Material:

ABS plastic with Santoprene overmold

Dimensions:

- HYB: 9.5 in L x 4 in W x 2.5 in D
- CVG: 9 in L x 2 in W x 1.5 in D, 180° Pivoting OBDII Connector

Weight:

HYB-1000: 5 lbs

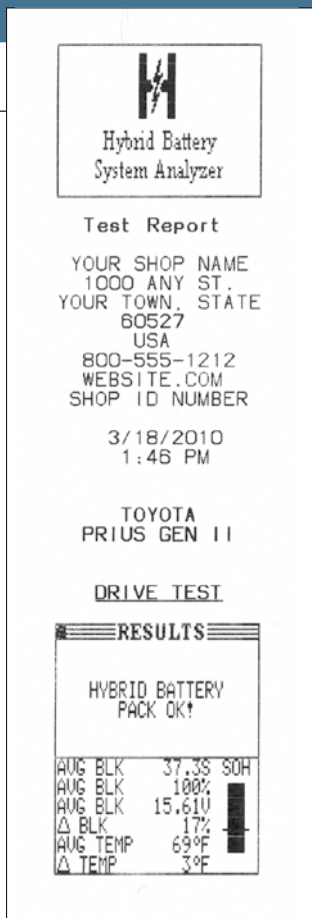
HYB-1000 KIT: 6.5 lbs

Carrying Case:

Soft Tool Bag

Languages:

- English



HYB Hybrid Battery System Analyzer



CVG wireless convergence module

The drive test provides the state of health (SOH) of the battery pack at the end of the test:

- Pack OK
- Pack needs Service – low conductance
- Pack needs Service – out of balance
 - Corrosion or connection issues between cells
 - Weak cells that can be replaced
- Includes a bar graph showing relative indication of pack SOH
- Indicates when battery pack service is needed

Collected Data includes:

- Block Conductance (G) – in Siemens
- % Block Conductance (G) Remaining
- Average Block voltage
- Voltage change from highest to lowest
- Average temperature of blocks, in °F
- Temperature range of blocks, from highest to lowest, in °F

Vehicles:

Make	Model
Cadillac	Escalade
Chevrolet	Malibu
Ford	Escape Gen I Escape Gen II Fusion
Honda	Civic Gen II Insight I Insight II
Lexus	LS600h
Toyota	Prius Gen I Prius Gen II Camry

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