

Next-Generation Portable Test Unit

Wireless, configurable test platform for vehicle end-of-line quality-assurance processes

- Vehicle diagnostics
- Fault code checks
- Emissions tests
- Part number checks
- Module programming configuration
- Current measurement tests
- Visual inspections
- Repair/rework support

The Dynetics fourth generation Integrated Portable Test Unit (IPTU4) is a handheld tool designed for end-of-line electrical and diagnostic testing. This powerful unit, equipped with both an ergonomic handle and steering wheel mount, includes a barcode scanner, tablet computer, and vehicle communication interface.

The IPTU4 supports multiple vehicle CAN channels and provides a configurable series of vehicle tests. Communicating wirelessly, it collects information from visual inspection, fault codes, program information, and current measurement tests.

Multiple tests can be run in parallel to reduce cycle time. Enveloped in a flexible protective boot, the NGPTU is designed to survive a four-foot drop, on

all sides, to concrete. The IPTU4's rugged design and configurable software make it a perfect tool for your end-of-line quality assurance system.

Key system features

- Multi-threaded parallel processes
- Operator interface, including dual touch screen and limited keypad
- 1D/2D barcode scanner
- 802.11a/b/g/n wireless communications via Intel® Centrino® Advanced-N 6205
- Vehicle communications (four dual-write CAN channels with up to 2 Mbit/s baud)
- Extended-life battery
- Dimensions: 9.75" x 12" x 4.5"

Computing power

- Intel® Core™ i5-6300U vPro™ Processor
- 8 GB DDR3L SDRAM
- 256 GB 1.8 solid state drive
- Significantly outperformed all similar test products analyzed in a recent comparative study of module flash time

Durability

- Designed to withstand four-foot drop on all faces (MIL-STD-810G)
- Solid state drive
- One-year parts and labor warranty (optional 3 Year)
- Operational temperature range: -10 to +50 °C (+14 to +122 °F)
- Storage temperature range: -40 to +85 °C (-40 to +185 °F)
- Display
- Eight-inch XGA TFT active matrix
- 1024 x 768 pixel resolution
- Touch screen interface with integrated stylus holder
- Sunlight readable
- 800 NIT rating



Innovating Unique Capabilities Since 1974

At Dynetics, we help customers accomplish complex, high-value missions. By combining the capabilities of a large business with the responsiveness of a small business, Dynetics put in place extensive R&D capabilities and deep technical expertise in systems engineering, systems analysis, modeling and simulation, cyber, software development, rapid prototyping, test and evaluation, manufacturing, integration, and operations. Using our considerable engineering, scientific, and other technical resources, we help customers identify, analyze, and respond to complex threats to their missions.



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FOR MORE INFORMATION

www.dynetics.com

256-964-4000

CorporateCommunications@dynetics.com



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