

Portable Test Unit

Dynetics' Portable Test Unit (PTU) is a small handheld tool designed for end-of-line electrical and diagnostic testing of vehicles. This lightweight unit, equipped with both an ergonomic handle and steering wheel mount, includes a barcode scanner, handheld computer, and Dynetics' Vehicle Gateway communications board.

The PTU supports multiple vehicle interface protocols 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. Weighing less than four pounds and enveloped in a flexible protective boot, the PTU is designed to survive a four-foot drop, on all sides, to concrete. The PTU'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 with up to 1GHz Processing Power
- ◆ Operator Interface, Including High Durability Touch Screen and Limited Keypad
- ◆ 1D/2D Barcode Scanner
- ◆ Wireless Communications (802.11 a/b/g/n)
- ◆ Vehicle Communications (HS CAN, MS CAN, PowerNet, FT CAN, J-1850, ISO-9141, K-Line)
- ◆ Dimensions: 12.1" x 6.3" x 4"; Weight without Cable: 3 lbs.; Weight with Cable: 3.7 lbs.

Electrical Specifications

- ◆ Input Voltage of 7-18 VDC
- ◆ Provides Up to 2 A Recharge Current for Intermec
 - ◆ Overcurrent Protection
 - ◆ Automatically Reset After Removal of Power/Fault Condition
- ◆ All Externally Accessible Signals Protected Against ESD
- ◆ Operational Temperature Range: -10 to +55 Degrees C
- ◆ Storage Temperature Range: -20 to +60 Degrees C

Independent Environmental Testing

- ◆ One Meter Drop Testing of All Six Faces
- ◆ Thermal Shock Testing from -10 to +55 Degrees C
- ◆ Random Vibration Testing from 5 to 1200 Hz About All Three Axes
- ◆ Radiated Immunity Testing from 80 MHz to 18 GHz (ISO 11452-2)
- ◆ Radiated Electromagnetic Field Immunity Testing (ISO 11452-4:2005)
- ◆ Electrostatic Discharge Immunity Testing
 - ◆ +/-4000 Volts to +/-8000 Volts Contact Discharge
 - ◆ +/-4000 Volts to +/-25,000 Volts Air Discharge (SAE J1113/13)
- ◆ Thermal Shock Testing from -10 to +55 Degrees C



The PTU provides a robust, lightweight, 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

For More Information Contact:

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