

# Partners in Power Confidence



## TEC SERIES Stationary Battery Analyzers

Midtronics battery testing products have been the industry leaders in the automotive, telecommunications, power utility and commercial transportation for more than a decade. Built upon this experience and proven technology, the **TEC Series** offers advanced battery testing capabilities for effective evaluation and maintenance of all stationary power systems including uninterruptible power supplies.

### Features :

#### TEC - 6500

- Enhanced conductance methodology enables accurate and repeatable testing in the presence of ultra-high electrical interference
- Software and data management techniques allow for the easy establishment of battery reference / baseline values when pre-determined data is not readily available, allowing for "reference-free" testing
- SD Card memory storage allows for 500 site/strings of 480 readings each
- Alpha-numeric keypad simplifies data identification and management
- Kit includes test probes, and case. Other accessories, including clamps, printer, and probe extenders available.



### Specifications

Model Number:

**TEC-6500**

**Applications:**

Tests individual lead acid cells or monoblocs (up to 16 Volts) in any common configuration, approximately 10-6000 Ah.

**Voltage:**

1.5 - 20.0 Volts DC

**Conductance:**

100 - 19,990 Siemens

**Test Data Storage:**

500 string locations of 480 test results stored internally

**Accuracy:**

+ 2% across test range

**Voltmeter Resolution:**

5 mV

**User Programmable Functions:**

- Preset values for over 250 battery types
- Low voltage alarm setting
- Low conductance warning
- Low conductance failure
- Test mode (push button/auto start)

**Calibration:**

Auto-calibration prior to every test, no future calibration required

**Connectorized Test Cable Options:**

- Dual contact clamps
- Dual contact probes
- Custom cables by quotation

**Power Requirements:**

9.6V, 1600mAH, NiMH Internal swappable battery & charger

**Display:**

LCD - FSTN  
2.619 in x 1.309 in, 128 x 64 pixels, 40 degree viewing angle, contrast ratio, 8, Green LED backlight

**Keypad:**

Stainless-steel dome, polycarbonate overlay, 1,000,000 actuations

**Data Transfer:**

Infra-red HP protocol, Infra-red, half-duplex  
IRDA protocol, RS-232 printer, Secure digital card

**Environmental Operating Range:**

0 to +40°C, 95% relative humidity, non-condensing

**Storage Temperature:**

-20 to 82°C

**Over Voltage Protection:**

- Auto-reset disconnect
- Reverse polarity protected

**Housing Material:**

Acid resistant ABS plastic santoprene overmold

**Analyzer Dimensions:**

11 in x 4 in x 3 in  
280 mm x 105 mm x 80 mm

**Case Dimensions:**

19 in x 15.5 in x 7 in  
485 mm x 395 mm x 180 mm

**Analyzer Weight:**

2.6 lb

**TEC-6500 Test Kit**

**Shipping Weight:**

Approximately 11 lb

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