DATA SHEET
BB-2590/U BATTERY TESTER/ANALYZER
PE-BT-2590

Battery Tester / Analyzer

Tester Top Hat Interface

Tester Docking Station

APPLICATIONS

- Testing for remote, field and depot settings

KEY FEATURES

- Tests both 14.4V sections of the BB-2590/U battery independently
- Functional test sequence verifies (both sections):
  - Charge function capability
  - Discharge function capability
  - SMBus communication function capability
- SBD data download test sequence provides the following (both sections):
  - Battery capacity
  - State-of-charge (SOC)
  - Battery voltage
  - Battery temperature
  - Cycle count
- LCD display for SBD data download
- LED displays for testing status

BENEFITS

- Enhances mission reliability – pre-deployment checks ensure good batteries are being fielded
- Maximizes battery use reducing battery replacement costs
- Battery preventative maintenance programs
- Battery general fault analysis

TESTER / ANALYZER SPECIFICATIONS

Model No: PE-BT-2590
DC Input: 9V from internal replicable battery (alkaline or lithium) 9V from AC/DC wall bug power supply
Communication: SMBus spec v1.1; SBD v1.1
Battery Connection: Tester docking station **or** tester top hat interface
LED Indicators: • **Green** – Passed Test • **Red #1** – Failed Test • **Red #2** – Internal Battery Low
Test Buttons: • **ON** – Turns the tester on • **TEST** – Initiates charge, discharge and SMBus communication functional capability test • **DATA** – Initiates download of SBD data via SMBus • ↑ **and** ↓ – Scroll through SDB data download • **OFF** – Turns the tester off
Weight: 0.8 lbs. (0.363Kg) with 9V battery installed
Dimensions: 8.3” x 1.6” x 4.4” (21.1cm x 4.1cm x 11.2cm)
Recommended Testing Temp: 0° C to +45° C (32°F to +113°F)
Operating Temp: -20°C to +50°C (-4°F to +122°F)
Storage Temp: -40° C to +70° C (-40°F to +158°F)
Humidity: 95% relative
Color: Black
Exterior Case: High Impact ABS; UL 94V-0
Harmonized Tariff Code: 8504.40.9550

TESTS THE FOLLOWING BATTERIES

- **Lithium Ion**
  - BB-2590/U • PB-2590 • PB-2590-SMB-7.2
  - PB-2590-SMB-8.7 • PB-2590-SMB-10.2
  - BB-2590 • UBI-2590 • UBBL02 • MRC-2590
  - UBI-2590 SMBus • UBBL10 • UBBL10-01
  - UBI-2590/HC SMBus • UBBL13 • UBBL13-01
  - 430856 • G3192A1 • AB-2590 • 430855 • 430852
  - BT-2590 • BT-70791A • BT-70791E
  - BT-70791BK • BT-70791CE • BT-70791JM
  - BT-70791BE • BT-70791BG • BT-70791BGHT
  - BT-70791CK • BT-70791CG

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