



DATASHEET & OPERATING INSTRUCTIONS

BT-2003F

BATTERY LOAD TESTER



SYDNEY AUSTRALIA
DESIGNED & MADE



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OPERATING INSTRUCTIONS

The DURST model BT-2003F is designed for testing 6 & 12 volt batteries only.

If 2 x 6 volt batteries are connected in series to create a 12 volt system, it is suggested the two 6volt batteries be disconnected and tested separately as single 12 volt batteries.

- Clean battery terminals to assure good connections and determine Amp/Hour or the cold cranking amp rating of the battery to be tested.
- If the rating is not shown on battery refer to manufacturer's specifications.
- **Turn the carbon pile rheostat knob anti-clockwise to a gentle stop. This will unload the rheostat to avoid sparking when connecting test leads.**
- Switch to 6, or 12 volt range to suit battery under test.
- Connect test leads to appropriate battery terminals. **Red clamp to + (positive)** battery and **Black clamp to the - (negative) terminal.** (Instrument is Reverse polarity protected.) Cooling Fan can be heard running.
- Voltage is displayed on two selected scales & read Actual Battery Voltage.
 - 0-10V scale each division = 0.1 of a volt
 - 0-20V scale each division = 0.2 of volt
- Turning the rheostat knob clockwise, applies the correct load to the test battery.
- Load until the meter shows the correct Amp/hour rating or the Cold Cranking Amp rating of the Battery.
- The actual current drain from the battery is indicated on the Amp scale.
- The battery passes the test if voltage reads above minimum voltage arrows.
- Complete the test within 5- 10 seconds to obtain the best results. (Absolute max. 15 seconds)
- A good battery should read at least 80% of the no load voltage. Minimum Volt readings on good Batteries are: 4.75 volts for a 6 Volt Battery & 9.5 Volts for a 12 Volt Battery.
- Quickly unload the carbon pile rheostat by turning the knob anti-clockwise until the Ammeter does not read.
- **Never disconnect test leads when tester is in loaded position as this will cause sparking**



FEATURES

- Portable Battery Load Tester.
- Dual sprung moving coil Volt and Amp meter
- Wide Moulded handle for easy carrying
- Large rubber feet to protect unit on rough surfaces
- Cooling vents for maximum air flow
- Fully insulated colour coded safety Clamps
- Powder coated Steel cabinet (Yellow)

PHYSICAL AND DIMENSIONAL PROPERTIES

BT-3006MS

- Each unit weighs approximately 8 Kg
- Width 370 mm
- Length 240 mm
- Height 310 mm
- Cable Length 2.0 m
- LS-100 X 2 : Cable Size Primary 35mm²
- Heavy Duty 500A Clamps

PERFORMANCE

- Output Voltage 6 Volts and 12 Volts
- Load current 0-500 Amps
- Cold Cranking Amps: CCA 1000
- Amp Hour Current Ah: 140

USES

- Suitable for UPS System
- Solar Power Systems
- Large Battery Banks
- Defence Applications