



BT-3006MS

BATTERY LOAD TESTER

DATASHEET & OPERATING INSTRUCTIONS



Output Voltage	Cranking Amps	Cold Cranking Amps	Amp Hour Current
6Volts,12Volts and 24 Volts	CA1000	CCA 2000	Ah: 300



OPERATING INSTRUCTIONS

The DURST models BT-3006MS & BT-3006MT are designed for testing 6, 12 & 24 volt batteries only. If 2 x 12 volt batteries are connected in series to create a 24 volt system, it is suggested the two 12 volt batteries be disconnected and tested separately as single 12 volt batteries.

1. Clean battery terminals to assure good connections and determine Amp/Hour or the cold cranking amp rating of the battery to be tested.

2. If the rating is not shown on battery refer to manufacturer's specifications.

3. Turn the carbon pile rheostat knob anti-clockwise to a gentle stop.
This will unload the rheostat to avoid sparking when connecting test leads.

4. Switch to 6, 12 or 24 volt range to suit battery under test.

5. 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.

6. Voltage is displayed on three selected scales & read Actual Battery Voltage.
- 0-8V scale each division = 0.1 of a volt
- 0-16V scale each division = 0.2 of volt
- 0-32V scale each division = 0.4 of volt



OPERATING INSTRUCTIONS

7. Turning the rheostat knob clockwise, applies the correct load to the test battery.

8. Load until the meter shows the correct Amp/hour rating or the Cold Cranking Amp rating of the Battery.

9. The actual current drain from the battery is indicated on the Amp scale.

10. The battery passes the test if voltage reads above minimum voltage arrows.

11. Complete the test within 5- 10 seconds to obtain the best results.
(Absolute max. 15 seconds)

12. 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 and 19 Volts for a 24 Volt Battery.

13. Quickly unload the carbon pile rheostat by turning the knob anti-clockwise until the Ammeter does not read.

14. Never disconnect test leads when tester is in loaded position as this will cause sparking



PHYSICAL AND DIMENSIONAL PROPERTIES

BT-3006MS	
Each unit weighs approximately	14Kg
Width	400 mm
Length	250 mm
Height	375 mm
Cable Length	2.0 m
LS-103 X 2 : Cable Size Primary	35mm ²
Heavy Duty	500A Clamps

PERFORMANCE

BT-3006MS	
Output Voltage	6Volts,12Volts and 24 Volts
Cranking Amps	CA1000
Cold Cranking Amps	CCA 2000
Amp Hour Current	Ah: 300



USES

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

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