



BT-2003F

BATTERY LOAD TESTER

DATASHEET & OPERATING INSTRUCTIONS



Output Voltage	Load current	Cold Cranking Amps Amp Hour Current	Width / Length / Height Weight
6 Volts and 12 Volts	0-500 Amps	CCA 1000 / Ah: 140	370 x 240 x 310 mm / 8 Kg

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)

USES

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

Durst Industries (Aust.) Pty Ltd.

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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	35mm ²
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

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 6 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, or 12 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 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
- 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.

OPERATING INSTRUCTIONS

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.

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

Important

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

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