

# TECHNICAL DATA SHEET

**DURATOOL**

RoHS  
Compliant

## 12V BATTERY TESTER MODEL: D03406

This battery tester is designed to test the condition of the automotive battery using conductance method. Unlike the conventional method of draining the battery by applying resistance load to it and obtain the result from the meter gauge; this analyser utilizes a series of pulsed voltage across the battery cells and observes the AC current that flows in response to it.

### The benefits of this test method are:

- Conductance correlates directly to the battery capacity
- Passive testing method is safe
- Never discharges or drain the battery
- Tests the condition of discharged battery
- Consistent and repeatable results
- Provides unique indication of battery conditions
- Checks alternator charging and starter cranking conditions
- Maintenance-free and no internal batteries required
- Powers up when connected to the battery posts during testing



### Key Features:

- Tests 12V sealed, lead acid batteries down to 2Ah and 12V Lithium batteries for vehicles, motorcycles and scooters
- Accurate results in milliseconds
- Battery life analysis vehicle and scooters
- Analysis result: Good or Replace
- Large easy to read LCD display
- Test results based on JIS, EN, DIN, SAE and IEC standards
- Languages: English, German, Spanish, French, Dutch, Italian
- Vehicle cranking system test - cranking time, voltage and status
- Vehicle charging system test - load voltage, unloaded voltage, ripple status and charging system status
- Store the testing result
- Print function via PC printer

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## Functionality:

Test Result: Good or Replace

Capacity - Cold Cranking Amps (CCA), DIN, EN and IEC information relative to battery rating.

Internal resistance value (mΩ) / Life in percentage (%) / Cranking system / Charging system

## Application:

Use to test a wide range of 12V batteries (Starting [SLI], Deep Cycled and Marine) of Wet (Flooded), VRLA or Maintenance Free (MF), Sealed Maintenance Free (SMF), Absorption Glass Mat (AGM) and GEL cell. Lithium-ion batteries, The major battery standards JIS, SAE, EN, DIN and IEC are supported.

## Operating Parameters:

System voltage: 12 Volts, Input voltage range: 9V~15V

Power requirements: No internal batteries required. Power on when hooked up during testing.

## Testing Range:

Lithium-ion - CCA/BCI/CA/MCA/ EN/SEA-20-1000, DIN/IEC-20-700, GB-2-120 Ah

Lead acid - CCA/BCI/CA/MCA/ EN/SEA-20-2000, DIN/IEC-20-1400, GB-2-220 Ah

## Battery Testing Range

Scooter		Vehicle	
Measure Standard	Measure Range	Measure Standard	Measure Range
CCA	20-1000	CCA	100-2000
BCI	20-1000	BCI	100-2000
CA	20-1000	CA	100-2000
MCA	20-1000	MCA	100-2000
JIS	26A17-150F51	JIS	26A17-245H52
DIN	20-700	DIN	100-1400
IEC	20-700	IEC	100-1400
EN	20-1000	EN	100-1400
SAE	20-1000	SAE	100-1400
GB	2-120	GB	30-220

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