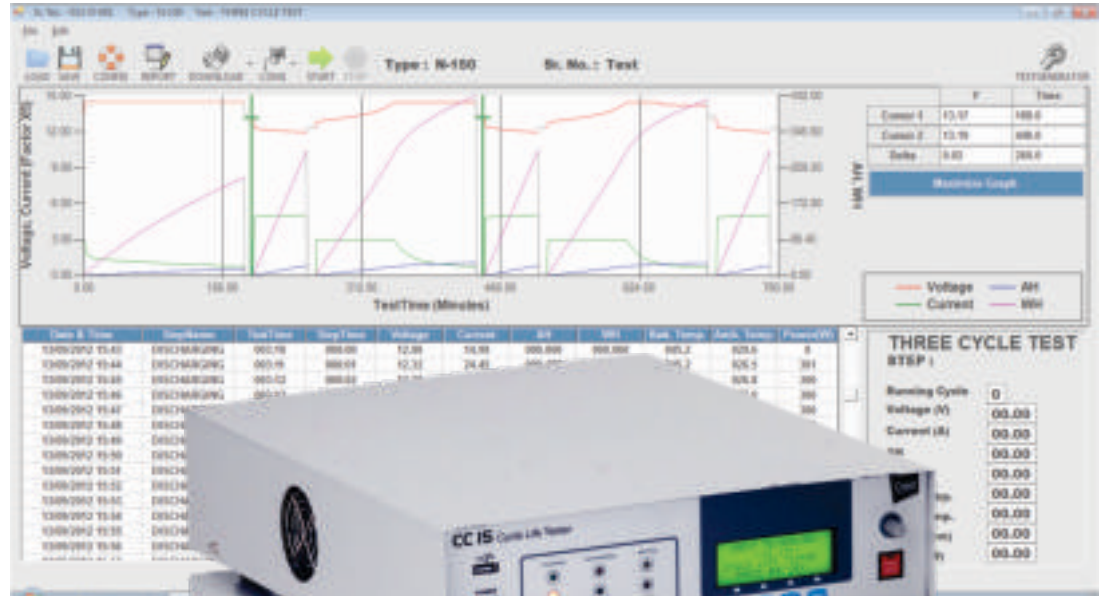


CC
Series
CYCLE LIFE TESTERS

CC Series Measures and Characterizes the Charging, Discharging, Cyclic Life Performance and Efficiency for assessment of design and quality compliance during manufacturing.



End Voltage Capacity in AH Battery Temperature Discharging AH
 Test Current Ampere-hour Efficiency Upper Terminal Voltage No. of Cycles
 Charge in AH Discharging AH Cyclic Efficiency Lower Terminal Voltage



Crest Technology is a pioneering group in the industry which specializes in developing and delivering world class Test and Measurement solutions to various industries. It has an experience of two decades in high speed and high integrity data acquisition and control, and communication protocols between embedded hardware and personal computers. With its multidisciplinary engineering skills it has had the privilege of giving Test and Measurement solutions to industrial giants in Power Sector, Metros and Railways, Automotive Industry, as well as, a number of Test & Certification Labs.

The features of CC Series allow complete flexibility to program charging and discharging profiles as per appropriate test standards. It comes with the ability to perform constant current or constant voltage charge and constant current or constant power discharge cycles.

Crest Technology is a pioneering group in the industry which specializes in developing and delivering speciality Test and Measurement solutions for the Power sector, Metro & Railways, Automotive, Industry and Test Labs. With an experience of over two decades under our belt, we are proud to introduce the CC Series of Battery Testers for carrying out Life Cycle Tests on Plate-type, tubular, SLA and VRLA batteries. The models offered in CC Series allow testing of the full range of Lead Acid batteries right from

charging and discharging profiles as per appropriate test standards. It comes with the ability to perform constant current or constant voltage charge and constant current or constant power discharge cycles. In-built factory test setups facilitate even an untrained operator to carry out tests quickly and efficiently. All models are equipped with a large LCD display, which shows various menus, in-test parameters, as well as ambient and battery temperatures.

It has the ability to store multiple reports and is able to retain vital data in case of power failure.

The CC series of Cycle Life Testers are designed to conduct tests on all kinds of batteries as per various IS Standards.

The computer connectivity and data analysis software is capable of generating and sequencing tests, saving and retrieving test results and printing test reports which can be analyzed for quality compliance. The software facilitates uploading of test data from the instrument to a PC for viewing present as well as past test results in a graphical and tabular form.

Crest Technology has a strong technical support team and provides service personnel in all leading cities.

motorcycle batteries to those used UPS systems. A microprocessor controlled constant voltage-constant current charger and MOSFET based high-precision constant current discharger enables testing of batteries with a high accuracy and repeatability. The features of CC Series allow complete flexibility to program

Measurements

- Starting Voltage
- End Voltage
- Starting Time
- End Time
- Test Current
- Charge in AH
- Charge in WH
- Ambient Temperature
- Battery Temperature
- Capacity in AH
- Capacity in WH
- Watt-hour Efficiency
- Ampere-hour Efficiency
- Loss of Capacity
- Cyclic Efficiency
- Discharging Power

Controlled Parameters

- Charging Current in CC
- Charging Voltage in CV
- Discharging Current in CC
- Discharging Power in CP
- Charging AH
- Charging Time
- Discharging AH
- Discharging Time
- Upper Terminal Voltage
- Lower Terminal Voltage
- Limit Current
- Charging Rest Time
- Discharging Rest Time
- No. of Cycles

Technical Specifications

Model	Operating Range (AH)	Max. Charging Current (A)	Max. Discharging Current (A)	Constant Charging Voltage (V)	Constant Discharging Power (W)	Cycles	Dimensions (W x D x H) (in/cm)	Weight (kg)
CC 40	2.5-40	4	10	18	105	1000	12.6(32) x 16.9(43) x 3.5(9)	6
CC 200	30-200	20	50	18	505	1000	12.6(32) x 16.9(43) x 7(18)	10

Voltage Resolution : 0.1V | Current Resolution : 10mA | Temperature Resolution : 0.1° Celsius | AH Resolution: 0.1AH | Time Resolution : 1 min | Accuracy: 0.2% of full scale ±2 counts.

Options

- Port for connecting external Dot-matrix printer
- RS 232-C compatible serial port for communication with external PC, along with Analysis Software.
- Remote Display Terminal

System Specifications

- Input Power: Single phase, 230V AC ± 10%, 50 Hz
- Total Power Consumption (Chg/Dchg): CC 40 – 100/25 W, CC 200 – 500/25 W
- Operating Environment: Typical shop-floor environment, 50° Celsius, 90% RH
- Ventilation: Forced air-cooled
- Conformance: DIN 61010 for safety and DIN 61326 for EMC
- Software compatible with Windows 7, Vista and XP operating systems



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