

USER MANUAL



BATTERY CAPACITY TESTER

SCT50P



- | | | |
|----------------------------|---|--|
| 1. RED WIRE | - | CONNECTION FOR BATTERY POSITIVE |
| 2. BLACK WIRE | - | CONNECTION FOR BATTERY NEGATIVE |
| 3. LCD | - | FOR DISPLAYING TEST SETTINGS AND PARAMETERS |
| 4. ON / OFF SWITCH- | | TO TURN MACHINE 'ON' OR 'OFF' |
| 5. LED INDICATORS - | | FOR REVERSE POLARITY & TEST ON . |
| 6. KEYPAD | - | FOR SETTING OF PARAMETERS |
| 7. COOLING FANS | - | FOR FORCED AIR COOLING |
| 8. PRINTER | - | 2 INCH THERMAL PRINTER FOR REPORT PRINTING |

SPECIFICATIONS

TEST CUTOFF VOLTAGE	-: 10.2V TO 11.5V WITH 0.1V RESOLUTION
TEST CURRENT	-: 3A TO 50A / 100A WITH 0.1A RESOLUTION
TEST DURATION	-: 10MIN TO 10 HOURS WITH 10MIN RESOLUTION
VOLTAGE ACCURACY	-: +/- 0.01V
WEIGHT	-: Approx. 8 KG / 12 KG
SIZE (W X D X H)	-: FOR 50A - 400MM X 200MM X 300MM FOR 100A - 400MM X 200MM X 600MM

STEPS FOR CONDUCTING TEST

■ MAKE CONNECTIONS

CONNECT RED WIRE TO BATTERY POSITIVE.
CONNECT BLACK WIRE TO BATTERY NEGATIVE.

■ SET END VOLTAGE

USE UP ▲ OR DOWN ▼ TO CHANGE VOLTAGE.
PRESS NEXT ► FOR SETTING TEST CURRENT.

■ SET TEST CURRENT

USE UP ▲ OR DOWN ▼ TO CHANGE CURRENT.
PRESS NEXT ► FOR SETTING TEST TIME.

■ SET TEST TIME

USE UP ▲ OR DOWN ▼ TO CHANGE TEST TIME.
PRESS NEXT ► FOR STARTING TEST.

■ TEST IN PROGRESS

AFTER TEST STARTS;
VOLTAGE, TIME, SET CURRENT, AMPERE HOUR
CAPACITY DRAWN FROM BATTERY IS DISPLAYED.

DURING TEST, TEST ON LED BLINKS.

WHEN TEST COMPLETS, LED STOPS BLINKING
AND MACHINE WILL PRINT TEST REPORT.

DISPLAY SEQUENCE

SMART
CAPACITY TESTER

SET END VOLTAGE
10.5V

SET TEST CURRENT
20A

SET TEST TIME
00:00

V:11.47 T:01:05
C:20.0 AH:080.34

V - BATTERY VOLTAGE
T - COMPLETED TEST TIME
C - SET CURRENT
AH - BATTERY CAPACITY

INSTALL PAPER ROLL



PULL OFF COVER
FROM GROOVE
BY FINGER



OPEN UPPER COVER.
PUT THE PAPER ROLL.
CLOSE UPPER COVER.



INCORRECT



CORRECT

TERMINOLOGIES AND MEANING

END VOLTAGE

THIS IS A BATTERY VOLTAGE LEVEL, UP TO WHICH BATTERY IS DISCHARGED.

TO KNOW THE EXACT BATTERY CAPACITY, NORMALLY THIS VOLTAGE SHOULD BE 10.2V TO 10.5V

TEST CURRENT

THIS IS A CONSTANT CURRENT AT WHICH BATTERY IS DISCHARGED.

TO KNOW THE EXACT BATTERY CAPACITY, THIS CURRENT SHOULD BE SET ACCORDING TO RATING MENTIONED ON BATTERY (C10,C20,C5)

FOR EXAMPLE IF A BATTERY IS OF 100 AH CAPACITY AT C20 RATING, THEN TEST CURRENT SHOULD BE 5 AMPS.

TEST TIME

THIS IS A USER SELECTABLE TEST DURATION, FOR WHICH TEST IS CONDUCTED.

TO KNOW THE EXACT BATTERY CAPACITY, THIS TIME SHOULD BE SET TO 00:00.

MANUFACTURED BY

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