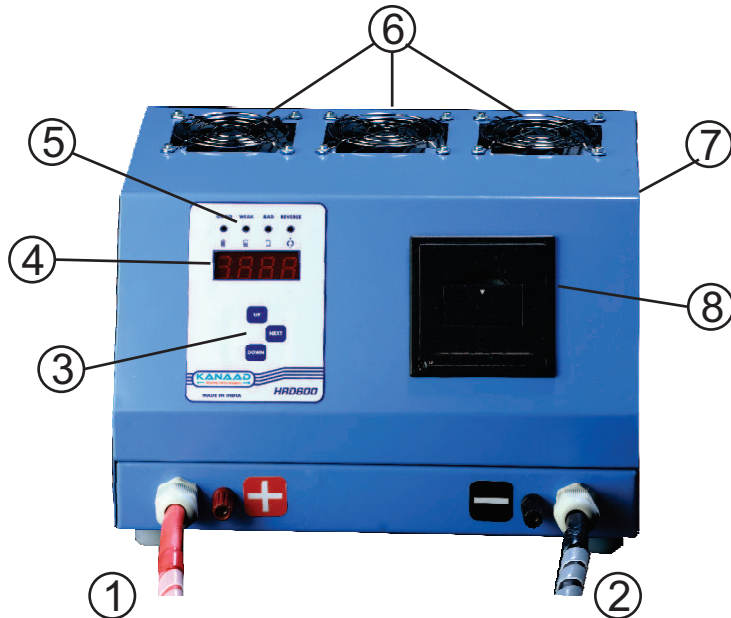


USER MANUAL



HIGH RATE DISCHARGE TESTER

HRD600P
HRD600C



- 1. RED CLIP - CONNECTION FOR BATTERY POSITIVE
- 2. BLACK CLIP - CONNECTION FOR BATTERY NEGATIVE
- 3. KEYPAD - FOR SELECTION OF BATTERY TYPE, CAPACITY & START TEST
- 4. COMBI DISPLAY - FOR BATTERY VOLTAGE AND RESULT DISPLAY
- 5. LED INDICATORS- FOR BATTERY CONDITION & REVERSE POLARITY
- 6. COOLING FANS - FOR FORCED AIR COOLING
- 7. ENCLOSURE - TABLE TOP METAL ENCLOSURE
- 8. PRINTER - 2 INCH THERMAL PRINTER FOR REPORT PRINTING

SPECIFICATION:

NOMINAL VOLTAGE : 12VDC
 OPERATING VOLTAGE : 5VDC TO 15VDC
 VOLTAGE ACCURACY : +- 0.01VDC
 WEIGHT : APPROX. 4.5 KG
 DIMENSION (mm) : 300(W) x 250(D) x 180(H)

WITH PRINTER MODEL

HRD600P ----- 32AH TO 200AH

WITHOUT PRINTER MODEL

HRD600C ----- 32AH TO 200AH

STEPS FOR CONDUCTING TEST

■ MAKE CONNECTIONS

CONNECT RED CLIP TO BATTERY POSITIVE.
CONNECT BLACK CLIP TO BATTERY NEGATIVE.
DISPLAY SHOWS;
PRODUCT NAME
READY OR NEED CHARGING INDICATION
BATTERY VOLTAGE

■ SELECT BATTERY TYPE

↓ PRESS & RELEASE KNOB.
↻ ROTATE KNOB TO CHOOSE BATTERY TYPE.
(AUTOMOTIVE / TUBULAR)

■ SELECT BATTERY CAPACITY

↓ PRESS & RELEASE KNOB.
↻ ROTATE KNOB TO CHOOSE BATTERY CAPACITY.

■ START TEST & VIEW RESULT

↓ PRESS & RELEASE KNOB.
WAIT FOR TEST TO COMPLETE.
VIEW BATTERY CONDITION ON DISPLAY WITH LED INDICATION.
IF PRINTER AVAILABLE, CHECK PRINT REPORT.

DISPLAY SEQUENCE

Hrd

rEdy CHrG

12.48 ↓

Auto ↻ InU ↓

32A ↻ ↓

11.09

● Good ● WEAK ● bAd

INDICATIONS

DISPLAY	LED	DESCRIPTION
Good	GREEN	BATTERY IS GOOD
WEAK	YELLOW	BATTERY IS WEAK
bAd	RED	BATTERY IS BAD
Lo	OFF	VERY LOW VOLTAGE
Hi	OFF	VERY HIGH VOLTAGE

INSTALL PAPER ROLL

PULL OFF COVER FROM GROOVE BY FINGER



OPEN UPPER COVER.

PUT THE PAPER ROLL.
CLOSE UPPER COVER.



INCORRECT



CORRECT

TROUBLESHOOTING

- NO DISPLAY** — BATTERY CONNECTION MAY BE REVERSED.
BATTERY UNDER TEST MAY BE DAMAGED.
- LO** — BATTERY CONNECTIONS MAY BE LOOSE.
CLIPS MAY BE CORRODED, RUSTED.
BATTERY UNDER TEST MAY BE DAMAGED.
- HI** — CHARGER MAY BE CONNECTED TO THE BATTERY.
MORE THAN ONE BATTERIES MAY BE IN SERIES.
- LEAD** — CLIPS MAY BE CORRODED, RUSTED.
BATTERY MAY BE KEPT WITHOUT CHARGING FOR LONG TIME.
BATTERY MAY NOT BE CHARGED PROPERLY.
- PRINTER LED BLINKING** — CHECK PRINTER PAPER ROLL IS AVAILABLE,
AND FITTED CORRECTLY.

INSTRUCTIONS

- FOR BETTER RESULTS,
 - CHARGE BATTERY BEFORE TEST.
 - MAKE BATTERY TERMINALS CLEAN AND DRY FOR PROPER CONTACT.
 - CONFIRM CORRECT AND TIGHT CONNECTIONS.
 - ALWAYS SELECT CORRECT BATTERY CAPACITY.
 - WAIT FOR AT LEAST 1 MINUTE BETWEEN TWO SUCCESSIVE TESTS.

MANUFACTURED BY

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