

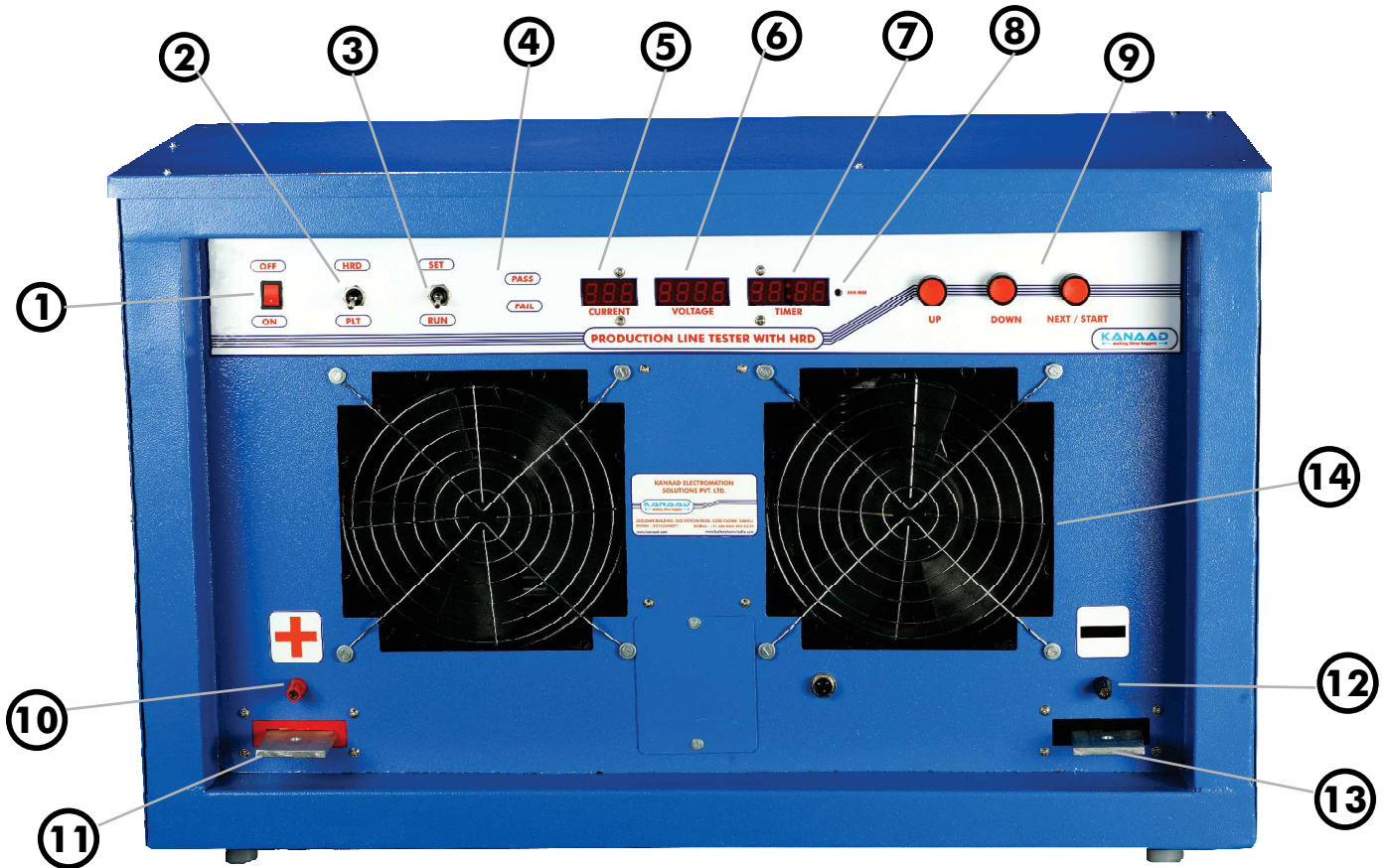
OPERATING AND INSTRUCTION MANUAL



PRODUCTION LINE TESTER

PLT600

KNOW YOUR MACHINE

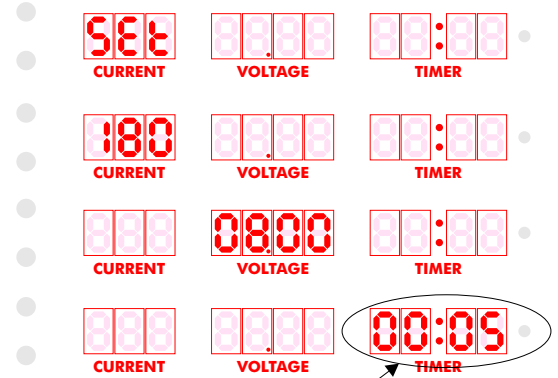


- 1 - ON /OFF SWITCH
- 2 - PLT/HRD SWITCH
- 3 - SET/RUN SWITCH
- 4 - RESULT LED
- 5 - CURRENT DISPLAY
- 6 - VOLTAGE DISPLAY
- 7 - TIMER DISPLAY
- 8 - HH:MM LED
- 9 - KEYPAD
- 10 - VOLTAGE PICKUP +VE
- 11 - CURRENT PICKUP +VE
- 12 - VOLTAGE PICKUP -VE
- 13 - CURRENT PICKUP -VE
- 14 - COOLING FAN

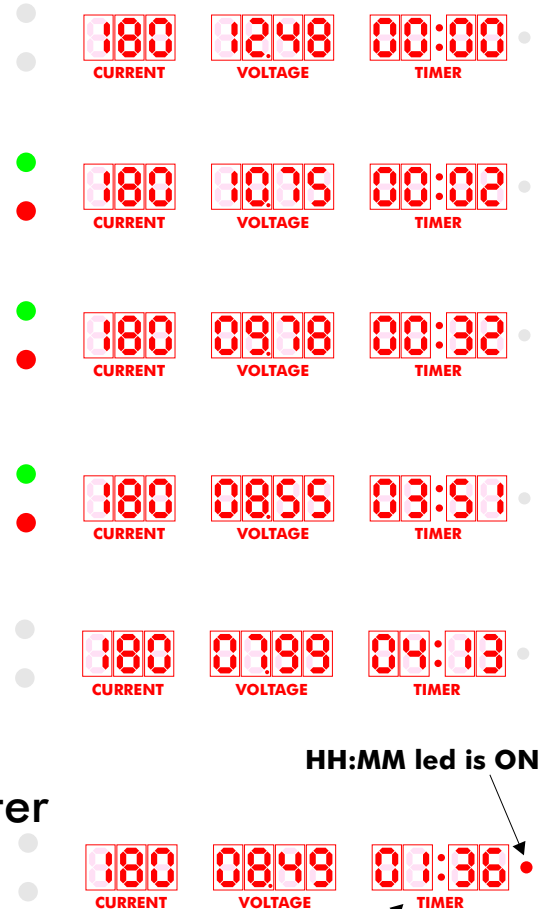
1. ON/OFF SWITCH - This is a switch to turn "ON" or "OFF" the machine supply.
2. PLT/HRD SWITCH - This is a toggle switch for selection between "PLT" or "HRD" test selection.
3. SET/RUN SWITCH - This is a toggle switch for selection between "setting mode" or "run mode".
4. RESULT LED - It is a LED indication for showing Test Result.
"Green LED" means test result is "Pass" and the battery is GOOD,
"Red LED" means test result is "Fail" and the battery is BAD.
5. CURRENT DISPLAY - During RUN mode It shows 3 Digit value of Test Current.
6. VOLTAGE DISPLAY - During RUN mode it shows 4 Digit value of battery voltage.
During SET mode it shows the 4 Digit value for Cutoff Voltage.
7. TIMER DISPLAY - During RUN mode for PLT TEST it is a Down Timer in Seconds.
During RUN mode for HRD TEST it is a UP Timer from zero.
8. HH:MM LED - This is a LED indication for Timer (only during HRD TEST mode).
LED is "ON", it means timer is showing time in Hours and Minutes.
LED is "OFF", it means timer is showing time in Minutes and Seconds.
9. KEYPAD - This is a push button type keypad having 3 keys.
1. UP key 2. DOWN key 3. ENTER/START key
10. VOLTAGE PICKUP +VE - This is a pickup wire connection for voltage measurement from +VE battery terminal.
11. CURRENT PICKUP +VE - Aluminium terminal for connecting heavy load wire pickup from +VE battery terminal.
12. VOLTAGE PICKUP -VE - This is a pickup wire connection for voltage measurement from -VE battery terminal.
13. CURRENT PICKUP -VE - Aluminium terminal for connecting heavy load wire pickup from -VE battery terminal.
14. COOLING FAN - Front mounted fans for forced air cooling of machine.

TEST PROCEDURE HRD TEST

1. Turn on machine.
2. Keep PLT/HRD switch on "HRD".
3. Keep SET/RUN switch on "SET".
4. Set required Test Current (Amperes).
5. Set Cutoff Voltage for test.
6. For "HRD" test no need to set timer.
7. Keep SET/RUN switch on RUN mode.
8. Connect Battery Under Test.
9. Machine will show test current, battery voltage and zero timer.
10. Now Press START button or foot switch (if provided) to start test.
11. Machine will put a load of a shown test current and timer will start.
12. During test machine shows Green and Red indication alternately.
13. Test will end when battery voltage drops below Cutoff.
14. If HRD test continues for duration greater than 59:59 minutes, HH:MM led is ON and timer will show time in HH:MM.
15. After test end, LED blinking will stop, and the time value is final HRD test timing.



For HRD test, timer setting is not considered
Timer will always start counting up from Zero.



HH:MM led is ON

Time is 1 hour 36 Min

REQUIREMENTS FOR TEST

1. INPUT SUPPLY REQUIREMENT

- Machine is operated on 230V 50Hz AC input supply.
- Supply Voltage must be in the range of 200VAC - 260VAC.
- Earthing should be proper.

2. CONNECTION REQUIREMENT

- Use proper test lead for "HRD" and "PLT" test types.
- Make firm connections on machine side as well as battery side.
- Before test check for correct polarity.

TERMINOLOGIES AND MEANING

Test Current - During test run, it is a value of discharge current / Load applied on Battery Under Test.
This current is constant all over the test.

Cutoff Voltage - For "PLT" test ,
It is a value of voltage level; so that during test run;
if battery voltage goes below this level battery is BAD,
if battery voltage remains above this level battery is GOOD.

For "HRD" test,
It is a value of voltage level; so that during test run;
if battery voltage goes below this level, test will stop.

Test Timer - For "PLT" test, it is a down timer in seconds.
When this value reaches zero, test will stop.

For "HRD" test it is a up counter starting from zero.
if HH:MM LED is off, means timer value is in Minutes : Seconds,
if HH:MM LED is on, means timer value is in Hours : Minutes.

CONTENT IN THE BOX

1. Production Line Tester Unit
2. (As per order) Test lead set for "PLT TEST" containing;
 - 2 wires of 95 sq.mm 1 mtr length with copper probes on one end and lugs on other end.
 - 2.5 sq.mm 1 mtr length Red wire with lugs attached on both ends.
 - 2.5 sq.mm 1 mtr length Black wire with lugs attached on both ends.
3. (As per order) Test lead set for "HRD TEST" containing;
 - 2 wires of 95 sq.mm 1 mtr length with lugs attached on both end.
 - 2.5 sq.mm 1 mtr length Red wire with lug attached on one end and red clip attached on other end.
 - 2.5 sq.mm 1 mtr length Black wire with lug attached on one end and Black clip attached on other end.
4. Foot switch assembly
5. Mains cord cable 2 mtrs length
6. Trolley assembly (optional)
7. Nut & bolt hardware required for test lead connection
8. User Manual

TEST PARAMETERS AND RANGE

| SETTING | MIN | MAX | RESOLUTION |
|--------------------------------------|------|-------|------------|
| TEST CURRENT (AMPERES) | 50 | 600 | 1 AMPERE |
| CUTOFF VOLTAGE (VOLTS) | 8.00 | 12.00 | 0.1 VOLT |
| TEST TIMER (SECONDS) ONLY FOR PLT | 0 | 10 | 1 SECONDS |

SPECIFICATIONS

- Dimension** : 790 mm(W) x 490 mm(H) x 380 mm (D)
- Weight** : 35 K.G. Approx.
- Input Supply** : 200 - 260VAC 50Hz
- Input current** : 1 Amp Approx.
- Fuse Type** : 5 Amp / SLOW BLOW

TROUBLESHOOTING

| PROBLEM | CAUSE / FINDINGS |
|---|---|
| Machine does not start | Input supply is not proper Input fuse blown ON/OFF switch not working |
| Test does not start | Battery connection reversed Foot switch not working ENTER/START switch not working |
| Machine is showing "FAIL" led indication | Battery is not charged. Battery connection not proper |
| Machine is getting heated | Cooling fans not working Machine ventilation not proper |

Warning:

Call company service for repairs and maintenance

Do not try repairs without any technical help from company service.

This may lead to damage to person attending repairs / operator.

MANUFACTURED BY

KANAAD ELECTROMATION SOLUTIONS PVT. LTD.

JOGLEKAR BULIDING, OPP. HOTEL LOTUS, OLD STATION ROAD,

AZAD CHOWK, SANGLI (MAHARASHTRA) - 416416

PHONE : 0233-6604871

MOBILE : +91 888 8800 893, +91 888 8800 894

E-MAIL : info@kanaad.com

WEB : www.kanaad.com