



RESISTANCE TESTER [LINE LOOP CONTACT]

(Fully automatic 200A DC, LCD Display HL-200)



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Introduction: Measuring the line loop contact resistance by bridges is not the ideal method as the test current is only a few milli amperes. Thus the value is not the true value of the contact resistance. Model HL- 200 is a direct reading tester, and uses a test current of 200A DC, resulting in true value and accurate measurements. Model HL- 200 adopts digital circuit technique and is used for measuring contact resistance of switch control equipments at test current of 200A DC. The measurements are accurate as the test is highly stable.

HL- 200 is a new, fully automatic micro controlled tester that measures contact resistance at 200A DC with built in printer.

HL- 200 is micro controller operated user friendly, accurate, reliable, small, light weight and reliable tester. HL- 200 incorporates a large LCD screen for display of menu and results. The results are printed on built-in printer after the test is over. HL- 200 incorporates breakthrough technology and design that gives accurate and reliable results, again and again. RS 232 link is also provided.

The advantages of HL-100

- Automatic measure of contact resistance in 3 seconds
- True 4 terminal measurement: High accuracy. No lead compensation required
- Test results saved automatically
- Recall and print last 100 test results
- Prints results on built-in printer

Safety Features

- Fuse protection for line short circuit

ORDERING INFORMATION

HL- 200

Specification subject to change due to constant up gradation

Description: NMC HL-200 is a new generation, fully automatic, 4 terminal line loop contact resistance tester. The entire test is done automatically and quickly. HL- 200 takes over; powers up the test current, takes the readings and displays the results on the LCD screen. Prints test results through its built-in printer. Test results can be saved in memory and can be recalled later. True portability is achieved by the lightweight (only 12 kg), single unit design housing the HL- 200. The HL- 200 is encased in an aluminum alloy cabinet.

Principle: Current of 200A DC is passed in the contact and voltage drop across the contacts is sensed, processed and the resistance is displayed on screen. HL- 200 is micro controller operated user friendly, accurate, reliable, small, light weight and reliable tester. HL- 200 incorporates a large LCD screen for display of menu and results. The results are printed on built-in printer. HL- 200 incorporates breakthrough technology and design that gives accurate and reliable results, again and again. A true four terminal measurement is used to eliminate the need for lead resistance compensation.

Features

- Micro-controller operated
- Front panel with legend
- Built-in printer
- Can re call stored last 100 tests results.
- Weight: 12 kg

Accessories Bag



Applications:

- Measure rotating machine contact resistance
- Measure breaker element resistance
- Measure resistance of bus bar joints
- Locate poor connections

Specifications:

- Power supply: 220V \pm 10%, AC 50 Hz. (120V \pm 10% against order)
- Measuring range: 0to1999.9 $\mu\Omega$
- Resolution: 0.1 $\mu\Omega$
- Test current:100A DC & 200A DC
- Measurement accuracy: 0.5 class
- Display: LCD
- Memory: Stores 100 test results.
- Printer: Built in printer.
- Usage environment: <40° C. < 85% R.H.
- Accessories:
 - Bag
 - Mains cord.
 - Flexible testing cable set with alligator clamps, 8 meter long.
 - Operating Manual.
 - Calibration certificate.
- Dimensions: HL- 200: 37(L)x26.5(W)x22.5(H) cm
- Transport case 42(L) x 30(W) x 26(H) cm
- Weight: HL- 200: 12 kg.
- Accessories Bag: 10 kg.

NEUTRONICS MANUFACTURING COMPANY

12-A, JOY COMPOUND,OPP. NEW JALARAM ELECTRIC & HARDWARE,

M,AROL MAROSHI ROAD, ANDHERI (E), MUMBAI "C 400 059. INDIA.

TELEFAX : 022 - 29201296. TELE : 022 - 29250745 E-mail : sales@neutronics.co.in

WEBSITE : www.neutronics.co.in