



DIGITAL CLAMP HI TESTER



3202

AT LAST - A DIGITAL CLAMP TESTER.

—World's first liquid crystal display system.—

- C-MOS LSI + LCD = Lower consumption 50mW
- FE TYPE LIQUID CRYSTAL DISPLAY = Good contrast for easy reading.
- AUTO RANGE SELECTION
- INDICATION HOLD = Simplifies the taking of readings in places that are hard to reach.
- PEAK HOLD = Handy to use in finding motor current, etc.

OPENING A NEW ERA IN CLAMP TESTER.

The 3202 Digital Clamp Hi Tester is designed to give accurate amperage readings up to 1000A on a live line, thus rendering unnecessary the cutting of the line or any other interruption of the power.

It can be used not only for current but also for the determination of voltage and resistance in various types of electrical equipment.

FEATURES:

Power used: Approx. 50mW

By employing the C-MOS LSI the amount of power used is kept to the extremely low figure of approximately 50mW and the instrument made very reliable.

The FE (field effect) type liquid crystal used in the digital indication provides strong contrast for easier reading and reduced eye fatigue.

Auto Range Selection


Range, excess input and battery warning indication are all automatic and any chance of error is eliminated and because the clamp core jaws open to both sides simultaneously it is very easy to clamp the tester over the line.

Multi Meter Function

* With peak hold and indication hold function, it is convenient to use in measuring surge current in electrical equipment and in taking readings where it is difficult to see the dial while the tester is in place over the line.



ORDINARY SPECIFICATIONS:

1. Operating System: Integral system
2. Indication: Liquid crystal (field effect type),
max. indication: 999
3. Range Selector: Auto Range
4. Excess Over-range indication: ►►
5. Polarity: Single pole
6. Battery Voltage Warning: When this drops below the operating voltage, the  sign is indicated.
7. Response Time: When measuring DC, ACV, ACI rise time is about 1 sec. and fall time about 4~5 secs.
In the case of Ω resistance, both rise and fall time are about 1 second.
8. Sample Rate: Approx. twice per second.
9. Peak Hold: In the ACI, AC and DCV high ranges, only the peak figure reading is possible and response time is 10 m secs.
10. Indication Hold: Indication hold is possible for all readings.
11. Ambient conditions for use: Temperature Range: 0~40°C
Humidity: Not over 85% RH
12. Temperature Range for Storage: -20~60°C
13. Power Consumed: Approx. 50mW. May be used continuously for 100hrs (on alkali batteries)
14. Type of Power: 4 x UM-3 dry cells
15. Protection Against Overload:
DCV, ACV: 1200V AC (50~60Hz) for 1 min.
ACI: 1200A (" ") " "
 Ω : 0.5A fuse protection
(Maximum voltage applied: 200V AC)
16. Voltage resistance: between case and input terminals and between clamp cores, 1,500V AC for one minute.
17. Maximum diameter of wire lead on which readings may be taken: 46 mm ϕ .
18. Dimension • Weight: 230H x 80W x 38D mm • 450 g
19. Accessories: Test leads 1 set.
Alligator clip 1 pce.
Batteries UM-3 4 pcs.
0.5A Fuse 2 pce.
Carrying case 1 pce.

READING RANGES

(for each purpose)

AC Current (50~60Hz)

Low Range: 0.1~99.9A

High Range: 1~999A

With peak hold function (on high range only)

AC Voltage (50~60Hz)

Low Range: 0.1~999V

High Range: 1~999V

With peak hold function (on high range only)

DC Voltage

Low Range: 0.1~99.9V } To obtain correct DC voltage
High " : 1~999V } multiply display reading by 1.4

With peak hold function (on high range only)

Measuring Resistance

Low Range: 0.1~99.9 Ω

High Range: 1~999 Ω

PERFORMANCE

Temperature and humidity range for protection: 23° ± 5°C and not over 80% RH.

AC Current: ±1%rdg. ±1%f.s. ±1 dgt. (50~60Hz)

AC Voltage " " " " " "

Resistance " " " " " "

However, except in the case of resistance readings, for peak hold ± 2%f.s. ± 1 digit

Holding figure stability: 5 count per 10 secs.

NOTE f.s. shows the maximum indicated figure for each range (99.9 or 999).



HIOKI ELECTRIC WORKS, LTD.

MAIN OFFICE, OVERSEAS DEPT. & FACTORY: 6249 SAKAKI-MACHI, HANISHINA-GUN, NAGANO-JAPAN.
OVERSEAS TELEX: 03327-508 TELEPHONE NO.: 02688-2-3030~5, 02688-2-3215~6
BRANCHES: TOKYO, OSAKA, NAGOYA, FUKUOKA, NEW YORK