

DIGITAL MICRO-OHM METER (CONTACT RESISTANCE METER) (RESISTANCE METER) (MILLI-OHM METER)



AGRONIC- 53 C

AGRONIC- 53 C is suitable for measurements of resistances of cables, wires, transformers*, motor windings**, coils and contact resistance of switches, connectors, relays and track resistance of PCB's etc.

The value of resistance is displayed on 7 segment LED display. Four terminal measurement system provides measurements free from errors due to contact resistance and test lead resistances.

RANGE :

1 Micro ohms to 19.99 K ohm in 8 full scale ranges of 1999 micro ohms, 19.99 milli ohms, 199.9 milli ohms, 1999 milli ohms, 19.99 ohms, 199.9 ohms, 1999 ohms and 19.99 K ohms.

RESOLUTION:

1 micro ohm in 1999 micro ohms range.
0.01 milli ohm in 19.99 milli ohms range.
0.1 milli ohm in 199.9 milli ohms range.
1 milli ohm in 1999 milli ohms range.
0.01 ohm in 19.99 ohms range.
0.1 ohm in 199.9 ohms range.
1 ohm in 1999 ohms range.
0.01 K ohms in 19.99 K ohms range.

ACCURACY:

$\pm 0.2\% \pm 2$ least counts in all ranges except $\pm 0.5\% \pm 3$ least counts in 200 milli ohms, 20 milli ohms and 2000 micro ohms ranges.

TEST CURRENT:

1 Amp DC in 1999 micro ohms, 19.99 milli ohms, 199.9 milli ohms and 1999 milli ohms ranges.
0.1 Amp DC in 19.99 ohms range.
10 milli Amp DC in 199.9 ohm range.
1 milli Amp DC in 1999 ohms range.
0.1 milli Amp DC in 19.99 K ohms range.

DISPLAY:

3 1/2 digit 7 segment LED display with over range indication. In over-range condition, 1 appears in the left display and the remaining 3 displays are turned off.

POWER REQUIREMENTS:

230 volts AC $\pm 10\%$, 50 Hz, 10 VA.

CABINET SIZE AND WEIGHT:

85mm (H) x 195 mm (W) x 240mm (D). 4kgs.

STANDARD ACCESSORIES:

2 pairs banana to crocodile test leads and instruction manual.

* Transformers of less than 10KVA rating.

** Motors of less than 10HP rating.

HIGH VOLTAGE BREAKDOWN TESTERS (FLASH TESTERS)



0 to 5 KV AC, 0 to 30 mA

AGRONIC- 214

0 to 10 KV AC, 0 to 30 mA

AGRONIC- 215

0 to 5 KV AC, 0 to 100 mA

AGRONIC- 214A

AGRONIC High Voltage Breakdown Testers are useful for checking breakdown (flash-over) voltages of motors, transformers, pumps, chokes, coils, switches, connectors, plastics, rubbers, PCB's insulation materials, electrical and electronic components etc.

Automatic tripping facility, HT ON and HT OFF visual indications, HT ON buzzer, high voltage safety probe with push button enable features, provide operator's safety. HT voltage and leakage current meters provide continuous readings, simultaneously.

TEST VOLTAGE:

0 to 5 KV AC in **AGRONIC-214** and **AGRONIC-214A**.

0 to 10 KV AC in **AGRONIC-215**.

Test voltage is displayed on wide view moving coil type of panel meter. Reading accuracy is within $\pm 5\%$.

TRIPPING CURRENT LEVELS:

0 to 30 mA in **AGRONIC-214** and **AGRONIC-215**.

0 to 100 mA in **AGRONIC-214A**.

Tripping current levels can be set from 0 to maximum by front panel control.

Actual value of leakage current is displayed on wide view moving coil type of panel meter. Reading accuracy is within $\pm 5\%$.

SAFETY FEATURES:

Whenever mains supply of the high voltage tester is turned ON, high voltage remains OFF and is enabled only when push button on safety probe is kept pressed and only when actual value of leakage current is less than the tripping current level setting.

HT on indication glows and buzzer sounds when high voltage is ON.

Acrylic probe with safety skirt keeps operator's hand away from high voltage.

Once high voltage is tripped, the same remains off until push button of the high voltage is released and pressed again.

POWER REQUIREMENTS:

230 volts AC, $\pm 10\%$, 50/60 Hertz.

200 VA in **AGRONIC-214**, 400 VA in **AGRONIC-215** and 600 VA in **AGRONIC-214A**.

SIZE AND WEIGHT:

200 mm(H) x 250 mm (W) x 290 mm (D). 12,14 and 15 kgs for **AGRONIC-214**, **AGRONIC-215** and **AGRONIC-214A** respectively.

STANDARD ACCESSORIES: Instruction Manual.