



## DIGITAL INSULATION TESTER

CE



**ST-2550**

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**ST-2551**

### FEATURES

- ST-2551 (ST-2550) is a LCD indicated instrument for testing insulation ( $M\Omega$ ), continuity ( $\Omega$ ) and AC voltage.
- Instant operation is possible with a pushbutton. In addition, for continuous measurement of  $M\Omega$ ,  $\Omega$  or ACV, a convenient timer is provided with automatic power off after three to five minutes to save the battery power.
- LED (red) indication works when testing insulation, continuity and voltage.
- Use a high efficiency and accurate DC-DC converter.
- Auto ranging.
- Heavy case.
- Most suitable for insulation resistance measurement of electrical household appliances, power line distribution and installation.
- IEC 1010 CAT.II 600V

### SPECIFICATIONS

| Model                       | ST-2550                                                                                                            | ST-2551                                                                                                            |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Insulation Resistance       |                                                                                                                    |                                                                                                                    |
| Test Voltage (DC V)         | 250V/500V/1000V                                                                                                    | 250V/500V/1000V                                                                                                    |
| Output Voltage Open Circuit | +10%                                                                                                               | +10%                                                                                                               |
| Measuring Ranges            | 0-20M $\Omega$ / 0-200M $\Omega$ / 0-2000M $\Omega$                                                                | 0-20M $\Omega$ / 0-200M $\Omega$ / 0-2000M $\Omega$                                                                |
| Accuracy                    | 20M $\Omega$ : $\pm(1.5\%rdg+2dgt)$<br>200M $\Omega$ : $\pm(2.5\%rdg+2dgt)$<br>2000M $\Omega$ : $\pm(5\%rdg+3dgt)$ | 20M $\Omega$ : $\pm(1.5\%rdg+2dgt)$<br>200M $\Omega$ : $\pm(2.5\%rdg+2dgt)$<br>2000M $\Omega$ : $\pm(5\%rdg+3dgt)$ |
| Continuity                  |                                                                                                                    |                                                                                                                    |
| Measuring Ranges            | 200 $\Omega$                                                                                                       | 20 $\Omega$ / 200 $\Omega$ / 2k $\Omega$                                                                           |
| Short Circuit Current       | 3mA                                                                                                                | 3mA                                                                                                                |
| Accuracy                    | $\pm(1.5\%rdg+2dgt)$                                                                                               | 20 $\Omega$ : $\pm(2\%rdg+4dgt)$<br>200 $\Omega$ : $\pm(1.5\%rdg+2dgt)$<br>2K $\Omega$ : $\pm(1.5\%rdg+2dgt)$      |
| Buzzer Sounds Below         | 10 $\Omega$                                                                                                        | 8 $\Omega$ / 10 $\Omega$ / 50 $\Omega$                                                                             |
| AC Voltage                  |                                                                                                                    |                                                                                                                    |
| AC Voltage Range            | 0-600V AC                                                                                                          | 0-600V AC                                                                                                          |
| Accuracy                    | $\pm(1.5\%rdg+2dgt)$                                                                                               | $\pm(1.5\%rdg+2dgt)$                                                                                               |
| General                     |                                                                                                                    |                                                                                                                    |
| Display                     | LCD 3½ (2000counts)                                                                                                | LCD 3½ (2000counts)                                                                                                |
| Impedance                   | 10M $\Omega$                                                                                                       | 10M $\Omega$                                                                                                       |
| Power Source                | 1.5V(SUM-3) ×6                                                                                                     | 1.5V(SUM-3) ×6                                                                                                     |
| Dimensions                  | 163(L)×100(W)×50(D)mm                                                                                              | 163(L)×100(W)×50(D)mm                                                                                              |
| Weight                      | Approx. 440g (battery included)                                                                                    | Approx. 480g (battery included)                                                                                    |
| Accessories                 | Test leads (AL-24SA)<br>Instruction manual<br>Heavy-duty case<br>Batteries                                         | Test leads (AL-24SA)<br>Instruction manual<br>Heavy-duty case<br>Batteries                                         |