



|                                   |
|-----------------------------------|
| Auto range/auto power off         |
| Low battery indication            |
| Comparison measurement            |
| Polarization index (PI)           |
| Dielectric absorption ratio (DAR) |
| LCD backlight                     |
| Over-range warning                |
| High voltage indication           |
| Data storage: 18                  |
| Analog bar graph: 30              |



UT513A

| Test Voltage                   | Insulation resistance (Ω)               | UT511   | UT512   | UT513A  |
|--------------------------------|-----------------------------------------|---------|---------|---------|
| Certificates                   | CE, UKCA                                |         |         |         |
| 100V                           | 0.1MΩ~500MΩ                             | ±(3%+5) |         |         |
| 250V                           | 0.5MΩ~2GΩ                               | ±(3%+5) |         |         |
| 500V                           | 1MΩ~4GΩ                                 | ±(3%+5) | ±(3%+5) | ±(3%+5) |
|                                | 0.5MΩ~5GΩ                               |         |         |         |
|                                | 0.5MΩ~20GΩ                              |         |         |         |
| 1000V                          | 2MΩ~10GΩ                                | ±(3%+5) | ±(3%+5) |         |
|                                | 1MΩ~40GΩ                                |         |         | ±(3%+5) |
| 1500V                          | 5MΩ~20GΩ                                |         | ±(3%+5) |         |
| 2500V                          | 2.5MΩ~100GΩ                             |         | ±(3%+5) | ±(3%+5) |
|                                | 10MΩ~100GΩ                              |         |         |         |
| 5000V                          | 5MΩ~1000GΩ                              |         |         | ±(3%+5) |
| DC voltage (V)                 | 1000V                                   | ±(2%+3) | ±(2%+5) | ±(2%+3) |
|                                | 600V                                    |         |         |         |
| AC voltage (V)                 | 750V                                    | ±(2%+3) | ±(2%+5) | ±(2%+3) |
|                                | 600V                                    |         |         |         |
| Test voltage accuracy          |                                         | 0%~10%  | 0%~20%  | 0%~20%  |
| Short-circuit current          |                                         | <2mA    | <1.8mA  | >3mA    |
| Low resistance (Ω)             | 0.1Ω~999.9Ω                             | ±(1%+3) |         |         |
| Test voltage secondary display |                                         |         |         | √       |
| USB interface                  |                                         |         | √       | √       |
| Timing measurement             | Around 30 minutes                       | √       | √       | √       |
|                                | Around 15 minutes                       |         |         |         |
| IEC 61557                      | UT513A: 61557-1:2007; 61557-2:2007      |         |         |         |
| Category ratings               | CAT III 600V; CAT II 1000V (UT511 only) |         |         |         |
| Power                          | 1.5V battery (LR14) x 8                 |         |         |         |

### Characteristics

|                              |                                                                                                                                                                                                                 |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standard accessories         | 2pcs of one plug test leads to one alligator clip (black and green), 1pcs of two plugs test lead to one alligator clip (red), batteries, USB cable (UT512/UT513A), power adaptor (UT512/UT513A), English manual |
| Optional accessories         | Power adaptor (UT511)                                                                                                                                                                                           |
| Display                      | 123 x 58mm                                                                                                                                                                                                      |
| Product size                 | 202 x 155 x 94mm                                                                                                                                                                                                |
| Product net weight           | 500g                                                                                                                                                                                                            |
| Standard individual packing  | Gift box, tool box                                                                                                                                                                                              |
| Standard quantity per carton | 4pcs                                                                                                                                                                                                            |
| Standard carton measurement  | 505 x 345 x 345mm                                                                                                                                                                                               |
| Standard carton gross weight | UT511: 13.4kg; UT512: 15.9kg; UT513A: 18.9kg                                                                                                                                                                    |