

The UT890C/D+ 6000-count true RMS digital multimeters are designed with large LCD display. The maximum measurable capacitance is 100mF, with fast response time of less than 12s. The NCV and continuity measurement have acousto-optic indications. UT890D+ has a LIVE function for distinguishing between live and neutral wires. In addition, it is equipped with the automatic fuse blown detection and high voltage protection.

## Applications:

- Electrical switchboards; HVAC systems;
- Electrical circuit faults detection;
- Installation or maintenance of electronics/ factory equipment;
- Electronics component;
- development, circuit board design;
- Users who need to distinguish between neutral/ live wire frequently.



Live and nature wires identification



UT890D+

| Specifications   | Range                         | UT890C    | UT890D+   |
|------------------|-------------------------------|-----------|-----------|
| DC voltage       | 600mV/6V/60V/600V/1000V       | ±(0.7%+3) | ±(0.7%+3) |
| AC voltage       | 6V/60V/600V/750V              | ±(0.8%+3) | ±(0.8%+3) |
| ACV Frequency    | 10Hz~10kHz                    | ±(0.1%+5) | ±(0.1%+5) |
| DC current       | 60μA/600μA/6mA/60mA/600mA/20A | ±(0.8%+8) | ±(0.8%+8) |
| AC current       | 60μA/600μA/6mA/60mA/600mA/20A | ±(1%+12)  | ±(1%+12)  |
| Resistance       | 600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ  | ±(0.8%+3) | ±(0.8%+3) |
| Capacitance      | 100mF                         | ±(3%+10)  | ±(3%+10)  |
| Frequency        | 9.999Hz~9.999MHz              | ±(0.1%+5) | ±(0.1%+5) |
| Temperature      | -40°C~1000°C/-40°F~1832°F     | ±(1%+3)   |           |
| Display count    |                               | 6000      | 6000      |
| Live             |                               |           | ✓         |
| Category ratings | CAT II 1000V, CAT III 600V    |           |           |

| Features                                                     |                                        |
|--------------------------------------------------------------|----------------------------------------|
| Manual range/True RMS                                        | NCV/hFE/Max/Min                        |
| Data hold/REL                                                | Diode test/Continuity test             |
| Audible/visual alarm (NCV/continuity)                        | High voltage false detection: 1000Vrms |
| Current (AC/DC) mode memory                                  | Over-current alarm: ≥20A               |
| Low battery indication: ≤2.5V                                | Auto power off/LCD Backlight           |
| Fuse blowing alarm (mA only): Input overload or misoperation |                                        |



Fuse blowing alarm (mA only)

| Characteristics              |                                                                         |
|------------------------------|-------------------------------------------------------------------------|
| Standard accessories         | Batteries, test lead, k-type temperature probe (UT890C), English manual |
| Power                        | 1.5V battery (R03) x 2                                                  |
| Display                      | 60 x 35mm                                                               |
| Product size                 | 183 x 88 x 56mm                                                         |
| Product net weight           | 346g                                                                    |
| Standard individual packing  | Gift box                                                                |
| Standard quantity per carton | 40pcs                                                                   |
| Standard carton measurement  | 645 x 450 x 340mm                                                       |
| Standard carton gross weight | 23.3kg                                                                  |