**EN:** This Datasheet/Document is presented by the manufacturer.

Please visit our website for pricing and availability at www.hestore.hu.

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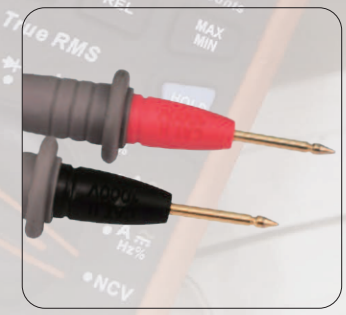
# UT161 SERIES

## 1000V True RMS Digital Multimeters

UT161 series are reliable true RMS digital multimeters with display counts 6000 (UT161B/D) and 22000 (UT161E). It can measure up to 1000V AC/DC voltage and designed with a safety rating of CAT III 1000V/CAT IV 600V. This series also features audio and visual alarm, high voltage/current and temperature warnings. Its built-in analog bar and USB communication functions can help you quickly and easily visualize measurement results.




- Data Hold/relative mode
- MAX/MIN
- USB communication/low battery indication
- LCD backlight/True RMS
- Auto/manual range
- Full range protection
- High voltage/current frequency measurement
- NCV/diode test/continuity test
- Auto power off
- 8kV transient protection



Gold plated test leads

| SPECIFICATION | Range | UT161B | UT161D | UT161E |
|---|---|---|---|---|
| AC voltage (V) | 1000V | ±(1.0%+3) | ±(1.0%+3) | ±(0.8%+10) |
| DC voltage (V) | 1000V | ±(0.5%+3) | ±(0.5%+3) | ±(0.05%+5) |
| AC current (A) | 10A | ±(1.2%+5) | | |
| | 20A | | ±(1.2%+5) | ±(0.8%+10) |
| DC current (A) | 10A | ±(1.0%+2) | | |
| | 20A | | ±(1.0%+2) | ±(0.5%+10) |
| Resistance (Ω) | 60MΩ | ±(1.0%+2) | ±(1.0%+2) | |
| | 220MΩ | | | ±(0.5%+10) |
| Capacitance (F) | 60mF | ±(3.0%+5) | ±(3.0%+5) | |
| | 220mF | | | ±(3.0%+5) |
| Frequency (Hz) | 10MHz | ±(0.1%+4) | ±(0.1%+4) | |
| | 220MHz | | | ±(0.01%+5) |
| Duty cycle (%) | 0.1%~99.9% | ±(2.0%+5) | ±(2.0%+5) | ±(2.0%+5) |
| Temperature (°C/°F) | -40°C~1000°C | | ±(1.0%+3) | |
| | -40°F~1832°F | | ±(1.0%+6) | |
| Display count | | 6000 | 6000 | 22000 |
| Bandwidth (Hz) | | 40Hz~500Hz | 40Hz~1kHz | 40~10kHz |
| LPF ACV | | | | √ |
| LoZ ACV | | | √ | |
| ACV+DCV | | | | √ |
| Transistor hFE | | | | √ |
| Peak hold | | | √ | √ |
| Analog bar | | 31 | 31 | 46 |
| Category ratings | CAT III 1000V/CAT IV 600V | | | |
| **GENERAL CHARACTERISTICS** | | | | |
| Power | 1.5V battery (LR03) x 4 | | | |
| Product net weight | 350g | | | |
| Product size | 190mm x 90mm x 50mm | | | |
| Standard accessories | Battery, test leads, USB cable, K-type temperature probe (UT161D), multi-purpose socket (UT161D/E) | | | |
| Standard individual packing | Gift box, cloth bag, English manual | | | |
| Standard quantity per carton | 20pcs | | | |
| Standard carton measurement | 480mm x 370mm x 325mm | | | |
| Standard carton gross weight | 17.8kg | | | |
| Optional accessories | Bluetooth/APP | | | |

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