

UT200 SERIES

1000A TRUE RMS DIGITAL CLAMP METERS



Patent pending

Intertek

UT200 series are 6000-count digital clamp meters with auto range, large LCD, true RMS, auto scale memory, and NCV functions. They conform to CAT III 1000V/CAT IV 600V safety rating and certified by CE/ETL. The UT206B, UT207B, and UT208B come with LoZ mode for eliminating 'ghost' voltage, LPF ACV function for measuring INV and VFD voltage, and inrush current mode for capturing transient current. The UT206B and UT208B also feature high-precision temperature measurement with 0.1 °C resolution, and can be equipped with a flexible current probe to extend the AC current measurement range to 3000A.



Flashlight button: Short press this button to turn on/off the flashlight.



Flexible current probe (optional) to extend the AC current measurement range to 3000A (UT206B/208B)



Inrush current capture (UT206B/207B/208B)



NCV Multi-Segment Display and audio/visual alarm



True RMS



Auto backlight



NCV



Function retention

| | Range | UT205E | UT206B | UT207B | UT208B |
|-------------------------------|----------------------|------------|------------|------------|------------|
| AC current (A) | 1000A | ±(2%+5) | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| DC current (A) | 1000A | | | ±(2%+5) | ±(2%+5) |
| AC current frequency response | | 50Hz~60Hz | 50Hz~60Hz | 40Hz~400Hz | 40Hz~400Hz |
| Inrush current (A) | 1000A | | ±(10%+10) | ±(10%+10) | ±(10%+10) |
| AC voltage (V) | 6V | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) | ±(1.2%+3) |
| | 60V/600V/1000V | ±(1%+8) | ±(1%+8) | ±(1%+8) | ±(1%+8) |
| DC voltage (V) | 600mV | ±(0.8%+3) | ±(0.8%+3) | ±(0.8%+3) | ±(0.8%+3) |
| | 6V/60V | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) |
| | 600V | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) |
| | 1000V | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) | ±(0.5%+5) |
| Low pas filter (LPF ACV) | 600V/1000V | | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| AC voltage frequency response | | 40Hz~400Hz | 40Hz~400Hz | 40Hz~400Hz | 40Hz~400Hz |
| LoZ ACV | 600V/1000V | | ±(2%+5) | ±(2%+5) | ±(2%+5) |
| Resistance (Ω) | 600Ω | ±(1%+3) | ±(1%+3) | ±(1%+3) | ±(1%+3) |
| | 6KΩ/60KΩ/600KΩ | ±(1%+2) | ±(1%+2) | ±(1%+2) | ±(1%+2) |
| | 6MΩ/60MΩ | ±(2%+8) | ±(2%+8) | ±(2%+8) | ±(2%+8) |
| Capacitance (F) | 60nF | ±(4%+25) | ±(4%+25) | ±(4%+25) | ±(4%+25) |
| | 600nF/6μF/60μF/600μF | ±(4%+5) | ±(4%+5) | ±(4%+5) | ±(4%+5) |
| | 6mF/60mF | ±(10%+9) | ±(10%+9) | ±(10%+9) | ±(10%+9) |
| Temperature (°C) | -40°C~300°C | | ±(1%+20) | | ±(1%+20) |
| | 300°C~1000°C | | ±(1%+2) | | ±(1%+2) |
| Low voltage frequency (Hz) | 10Hz~1MHz | ±(0.1%+3) | ±(0.1%+3) | ±(0.1%+3) | ±(0.1%+3) |
| Duty cycle (%) | 10%~90% | ±(2.6%+7) | ±(2.6%+7) | ±(2.6%+7) | ±(2.6%+7) |

Features

| | | | | | |
|-----------------------------------|------------------|------------|------------|------------|------------|
| Display count | | 6000 | 6000 | 6000 | 6000 |
| Jaw opening | | 42mm | 42mm | 42mm | 42mm |
| Current frequency | | 50Hz~60Hz | 50Hz~60Hz | 40Hz~400Hz | 40Hz~400Hz |
| High voltage frequency | | 40Hz~400Hz | 40Hz~400Hz | 40Hz~400Hz | 40Hz~400Hz |
| Analog bar | | | 31 | 31 | 31 |
| Auto power off/Continuity test | | √ | √ | √ | √ |
| Auto/Manual range | | √ | √ | √ | √ |
| Low battery indication/Diode test | | √ | √ | √ | √ |
| Relative mode/Data hold/MAX/MIN | | √ | √ | √ | √ |
| Function selection/Flashlight | | √ | √ | √ | √ |
| Wake-up function | | √ | √ | √ | √ |
| Auto power off current: <50μA | | √ | √ | √ | √ |
| Flexible current probe (optional) | Extends to 3000A | | √ | | √ |
| Zero mode | | | | √ | √ |
| Input impedance (ACV/DCV) | ≥10MΩ | ≥10MΩ | ≥10MΩ | ≥10MΩ | ≥10MΩ |

| | |
|------------------------------|--|
| Power | 1.5V battery (R03) x 3 |
| Display | 43mm x 45mm |
| Product color | Red and grey |
| Product net weight | UT205E/UT206B: 465g; UT207B/UT208B: 420g |
| Product size | 272mm x 81mm x 43.5mm |
| Standard accessories | Test leads, batteries, point contact temperature probe (UT206B/UT208B) |
| Standard individual packing | Gift box, carrying bag, English manual |
| Standard quantity per carton | UT205E/UT206B/UT207B: 10pcs; UT208B: 5pcs |
| Standard carton measurement | UT205E/UT206B/UT207B: 355mm x 330mm x 315mm; UT208B: 355mm x 330mm x 165mm |
| Standard carton gross weight | UT205E/UT206B/UT207B: About 7.1kg; UT208B: About 4.5kg |