

| Models                      | UT216C                     | UT216D                     | UT207B                    | UT208B         | UT219DS            | UT221          | UT222          |  |
|-----------------------------|----------------------------|----------------------------|---------------------------|----------------|--------------------|----------------|----------------|--|
| Page                        | 084                        | 084                        | 081                       | 081            | 078                | 085            | 085            |  |
|                             |                            |                            |                           |                |                    |                |                |  |
| AC current (A)              | 600A                       | 600A                       | 1000A                     | 1000A          | 600A               | 2000A          | 2500A          |  |
| DC current (A)              | 600A                       | 600A                       | 1000A                     | 1000A          | 600A               | 2000A          | 2500A          |  |
| AC voltage (V)              | 750V                       | 750V                       | 1000V                     | 1000V          | 1000V              | 750V           | 1000V          |  |
| DC voltage (V)              | 1000V                      | 1000V                      | 1000V                     | 1000V          | 1000V              | 1000V          | 1000V          |  |
| Resistance (Ω)              | 60MΩ                       | 60MΩ                       | 60MΩ                      | 60MΩ           | 60MΩ               | 66MΩ           | 60MΩ           |  |
| Capacitance (F)             | 60mF                       | 60mF                       | 60mF                      | 60mF           | 60mF               |                | 60mF           |  |
| Frequency (Hz)              | 1MHz                       | 1MHz                       | 1MHz                      | 1MHz           | 40MHz              | 20MHz          | 60MHz          |  |
| Temperature (°C)            | -40°C~1000°C               | -40°C~1000°C               |                           | -40°C~1000°C   | -40°C~1000°C       |                | -40°C~1000°C   |  |
| Features                    |                            |                            |                           |                |                    |                |                |  |
| Jaw opening                 | 30mm                       | 30mm                       | 42mm                      | 42mm           | 33mm               | 63mm           | 63mm           |  |
| Display count               | 6000                       | 6000                       | 6000                      | 6000           | 6000               | 6000           | 6000           |  |
| True RMS                    | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| Diode/continuity            | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| Low battery indication      | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| Data hold                   | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| Auto power off              | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| LCD backlight               | ●                          | OLED display               | ●                         | ●              | ●                  | ●              | ●              |  |
| Duty cycle                  |                            |                            | ●                         | ●              | ●                  | ●              | ●              |  |
| NCV                         | ●                          | ●                          | ●                         | ●              |                    |                |                |  |
| Auto range                  | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| Max/min                     | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| Relative mode               | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| Flashlight                  | ●                          | ●                          | ●                         | ●              |                    |                |                |  |
| Zero mode                   | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| VFC                         | ●                          | ●                          |                           |                |                    |                |                |  |
| Inrush current              | ●                          | ●                          | ●                         | ●              | ●                  | ●              | ●              |  |
| LPF ACV                     |                            |                            | ●                         | ●              | ●                  | ●              | ●              |  |
| LoZ ACV                     |                            |                            | ●                         | ●              | ●                  |                |                |  |
| Flexible clamp (optional)   |                            |                            |                           | ●              |                    |                |                |  |
| 3-phase motor sequence test |                            |                            |                           |                | ●                  |                |                |  |
| V+A displays                |                            |                            |                           |                | ●                  |                | ●              |  |
| Current output              |                            |                            |                           |                |                    | ●              | ●              |  |
| Safety Features             |                            |                            |                           |                |                    |                |                |  |
| Drop test                   | 1m                         | 1m                         | 1m                        | 1m             | 2m                 | 1m             | 1m             |  |
| Safety rating               | CAT II 1000V /CAT III 600V | CAT II 1000V /CAT III 600V | CAT III 1000V/CAT IV 600V |                |                    |                |                |  |
| Certificates                | CE/UKCA/cETLus             | CE/UKCA/cETLus             | CE/UKCA/cETLus            | CE/UKCA/cETLus | CE/UKCA/GS /cTUVus | CE/UKCA/cETLus | CE/UKCA/cETLus |  |

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.



UT208B

### Features

- True RMS
- NCV (audible/visual alarm)
- Data hold/backlight/Flashlight
- MAX/MIN/relative mode
- Diode/continuity test
- Inrush current (UT206B/207B/208B)
- LPF ACV (UT206B/207B/208B)
- LoZ ACV (UT206B/207B/208B)
- Optional flex clamp (UT-CS09D) up to 3000A (UT206B/208B)



| Specifications                    | Range                        | UT205E     | UT206B             | UT207B     | UT208B             |
|-----------------------------------|------------------------------|------------|--------------------|------------|--------------------|
| <b>Certificates</b>               | <b>CE, UKCA, cETLus</b>      |            |                    |            |                    |
| 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)                    | 1000V                        | ±(1.2%+3)  | ±(1.2%+3)          | ±(1.2%+3)  | ±(1.2%+3)          |
| DC voltage (V)                    | 1000V                        | ±(0.5%+5)  | ±(0.5%+5)          | ±(0.5%+5)  | ±(0.5%+5)          |
| Low pas filter (LPF ACV)          | 1000V                        |            | ±(2%+5)            | ±(2%+5)    | ±(2%+5)            |
| AC voltage frequency response     |                              | 40Hz~400Hz | 40Hz~400Hz         | 40Hz~400Hz | 40Hz~400Hz         |
| LoZ ACV                           | 1000V                        |            | ±(2%+5)            | ±(2%+5)    | ±(2%+5)            |
| Resistance (Ω)                    | 60MΩ                         | ±(1%+2)    | ±(1%+2)            | ±(1%+2)    | ±(1%+2)            |
| Capacitance (F)                   | 60mF                         | ±(4%+5)    | ±(4%+5)            | ±(4%+5)    | ±(4%+5)            |
| Temperature                       | -40°C~1000°C<br>-40°F~1832°F |            | ±(1%+2)<br>±(1%+4) |            | ±(1%+2)<br>±(1%+4) |
| 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)          |
| Analog bar                        |                              |            | 31                 | 31         | 31                 |
| Flexible current probe (optional) | Extends up to 3000A          |            | √                  |            | √                  |
| Zero mode                         |                              |            |                    | √          | √                  |
| Display count                     |                              | 6000       | 6000               | 6000       | 6000               |
| Jaw opening                       |                              | 42mm       | 42mm               | 42mm       | 42mm               |
| Category ratings                  | CAT III 1000V, CAT IV 600V   |            |                    |            |                    |

### Characteristics

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