

# UT800 Series

## Digital Benchtop Multimeters



● UT804



● UT805A

The UT800 Series true RMS value digital multimeter can be selected from 3 1/2 digits to 5 1/2. Lightweight and economical, with manual and automatic range, AC and DC power supply, high reliability, high precision and multiple test functions. It has a large screen with backlight, super large character display, full function, All-round overload protection and unique appearance design, and equipped with a tool box, make it a more superior electronic and electrical testing instrument. It is suitable for measurement in electronics, communications, manufacturing, petroleum, electric power, chemical and other industries. It is an indispensable experimental tool for college experiments.

- 200000-count auto range/TRMS
- 256 x 64 pixels dot-matrix LCD
- High accuracy up to  $\pm(0.015\%+3)$  for DC voltage
- Analog bar display (UT804)
- Data storage and readback function
- Overload protection
- Provide DC and AC two power supply methods
- RS-232 and USB interfaces

| Key Specifications                       | UT801   | UT802  | UT803                              | UT804                               | UT805A               |
|--|---|--|------------------------------------|-------------------------------------|----------------------|
| Display count                            | 1999  | 19999  | 5999                               | 39999                               | 199999               |
| DCV Accuracy                             | $\pm(0.5\%+2)$  | $\pm(0.1\%+3)$   | $\pm(0.3\%+2)$                     | $\pm(0.025\%+5)$                    | $\pm(0.015\%+3)$     |
| Sampling speed                           | 2~3 rdgs/s  | 2~3 rdgs/s   | 2~3 rdgs/s                         | 2~3rdgs/s                           | 2rdgs/s,Max100rdgs/s |
| DC voltage(V)                            | 200mV/2V/<br>20V/200V/1000V   | 200mV/2V/<br>20V/200V/1000V  | 1000V                              | 1000V                               | 1000V                |
| AC voltage(V)                            | 2V/20V/200V/750V  | 2V/20V/200V/750V   | 1000V                              | 1000V                               | 750V                 |
| DC current(A)                            | 200 $\mu$ A/2mA/<br>20mA/200mA/10A  | 200 $\mu$ A/2mA/<br>20mA/200mA/10A   | 10A                                | 10A                                 | 10A                  |
| AC current(A)                            | 2mA/20mA/<br>200mA/10A  | 2mA/20mA/<br>200mA/10A   | 10A                                | 10A                                 | 10A                  |
| Capacitance(F)                           | 20nF/2 $\mu$ F/200 $\mu$ F  | 20nF/2 $\mu$ F/200 $\mu$ F   | 6mF                                | 2mF                                 | 6mF                  |
| Resistance( $\Omega$ )                   | 200 $\Omega$ /2k $\Omega$ /20k $\Omega$ /<br>200k $\Omega$ /2M $\Omega$ /20M $\Omega$ | 200 $\Omega$ /2k $\Omega$ /20k $\Omega$ /<br>200k $\Omega$ /2M $\Omega$ /200M $\Omega$ | 60M $\Omega$                       | 40M $\Omega$                        | 20M $\Omega$         |
| Temperature( $^{\circ}$ C/ $^{\circ}$ F) | -40 $^{\circ}$ C-1000 $^{\circ}$ C  | -40 $^{\circ}$ C-1000 $^{\circ}$ C   | -40 $^{\circ}$ C-1000 $^{\circ}$ C | -270 $^{\circ}$ C-1760 $^{\circ}$ C | -                    |
| Frequency(Hz)                            | 2kHz/200kHz   | 2kHz/200kHz  | 60Hz-60MHz                         | 40Hz-400MHz                         | 1Hz-60MHz            |
| Frequency response(Hz)                   | 400Hz   | 400Hz  | 100kHz                             | 100kHz                              | 100kHz               |
| Range                                    | Manual  | Manual   | Auto                               | Auto                                | Auto                 |