



## The UNI-T family of Bench Digital Multimeters

*Precision, Simplicity, and Savings*

|                      | <b>UT8802E</b>           | <b>UT8803E</b>           | <b>UT8804E</b>          | <b>UT8805E</b>                     | <b>UT8806E</b>                     |
|----------------------|--------------------------|--------------------------|-------------------------|------------------------------------|------------------------------------|
| <b>Digits</b>        | 4.5                      | 3.8                      | 4.8                     | 5.5                                | 6.5                                |
| <b>Count</b>         | 19,999                   | 5,999                    | 59,999                  | 199,999                            | 1,999,999                          |
| <b>Readings/s</b>    | 3 rdgs/s                 | 3 rdgs/s                 | 3 rdgs/s                | 5,000 rdgs/s                       | 10,000 rdgs/s                      |
| <b>Freq Response</b> | 1 kHz                    | 300 kHz                  | 100 kHz                 | 100 kHz                            | 300 kHz                            |
| <b>DC V Accuracy</b> | 0.1%                     | 0.3%                     | 0.025%                  | 0.015%                             | 0.0035%                            |
| <b>TRMS</b>          | No                       | Yes                      | Yes                     | Yes                                | Yes                                |
| <b>Ranging</b>       | Manual                   | Auto                     | Auto                    | Auto                               | Auto                               |
| <b>DC Range</b>      | 200mV–1000V<br>200μA–20A | 600mv–1000V<br>600μA–20A | 60mv–1000V<br>600μA–20A | 200mV–1000V<br>200μA–10A           | 200mV–1000V<br>2μA–10A             |
| <b>AC Range</b>      | 2V–750V<br>2mA–20A       | 600mV–750V<br>600μA–20A  | 60mV–750V<br>600μA–20A  | 200mV–750V<br>2mA–20A              | 200mV–750V<br>200μA–10A            |
| <b>Ohms Range</b>    | 200Ω–200MΩ               | 600Ω–60MΩ                | 600Ω–60MΩ               | 200Ω–100MΩ                         | 20Ω–1GΩ                            |
| <b>Memory</b>        | No                       | No                       | 20,000 pts              | 1GB                                | 32GB                               |
| <b>Interface</b>     | USB                      | USB                      | USB                     | USB Host/<br>Device, LAN,<br>RS232 | USB Host/<br>Device, LAN,<br>RS232 |
| <b>MSRP</b>          | \$129                    | \$168                    | \$269                   | \$489                              | \$860                              |

# Digital Oscilloscopes



| Series            | CHs | Memory Depth | Sampling Rate | MSO | Signal Gen | Bandwidth |       |         |         |         |         |         |         |        |        |
|-------------------|-----|--------------|---------------|-----|------------|-----------|-------|---------|---------|---------|---------|---------|---------|--------|--------|
|                   |     |              |               |     |            | 2 GHz     | 1 GHz | 500 MHz | 350 MHz | 300 MHz | 200 MHz | 150 MHz | 100 MHz | 70 MHz | 50 MHz |
| MSO7000X          | 4   | 1Gpts        | 10GSa/s       | Opt | Opt        | ●         | ●     |         |         |         |         |         |         |        |        |
| MSO3000HD (12Bit) | 4   | 500Mpts      | 2.5GSa/s      | Opt | Opt        |           |       | ●       | ●       |         | ●       |         |         |        |        |
| MSO3000X          | 4   | 500Mpts      | 5GSa/s        | Opt | Opt        |           |       | ●       | ●       |         |         |         |         |        |        |
| MSO3000E (-S)     | 2/4 | 250Mpts      | 2.5GSa/s      | Yes | -S Only    |           |       | ●       | ●       |         |         |         |         |        |        |
| UPO3000E          | 2/4 |              |               | No  | No         |           |       |         |         |         |         |         |         |        |        |
| MSO2000X          | 4   | 100Mpts      | 5GSa/s        | Opt | Opt        |           |       |         |         | ●       | ●       |         | ●       |        |        |
| MSO2000 (-S)      | 2/4 | 56Mpts       | 2GSa/s        | Yes | -S Only    |           |       |         |         |         | ●       |         | ●       |        |        |
| UPO2000           | 2/4 |              |               | No  | No         |           |       |         |         |         |         |         |         |        |        |
| UPO1000CS         | 2   | 56Mpts       | 1GSa/s        | No  | No         |           |       |         |         |         | ●       |         | ●       |        |        |
| UPO1000           | 4   | 56Mpts       | 2GSa/s        | No  | No         |           |       |         |         |         | ●       |         | ●       |        | ●      |
| UTD2000CEX+       | 2   | 64Kpts       | 1GSa/s        | No  | No         |           |       |         |         |         | ●       |         | ●       |        | ●      |
| UTD2000CL+/CL     | 2   | 64Kpts       | 500MSa/s      | No  | No         |           |       |         |         |         |         | ●       | ●       | ●      | ●      |

# Waveform Generators



| Series     | Channels | Sampling Rate | Vertical Res | Arb Memory | MAX Frequency (MHz) |     |     |     |     |     |    |    |    |    |    |    |
|------------|----------|---------------|--------------|------------|---------------------|-----|-----|-----|-----|-----|----|----|----|----|----|----|
|            |          |               |              |            | 600                 | 500 | 350 | 200 | 160 | 120 | 80 | 60 | 40 | 30 | 25 | 20 |
| UTG9000T   | 4        | 2.5GSa/s      | 16bits       | 64Mpts     | ●                   | ●   | ●   |     |     |     |    |    |    |    |    |    |
| UTG4000A   | 2        | 500MSa/s      | 16bits       | 32Mpts     |                     |     |     | ●   | ●   | ●   | ●  |    |    |    |    |    |
| UTG2000X   | 2        | 1.25GSa/s     | 16bits       | 64Mpts     |                     |     |     |     |     | ●   | ●  | ●  |    |    |    |    |
| UTG2000A/B | 2        | 1.28GSa/s     | 16bits       | 16Mpts     |                     |     |     |     |     | ●   | ●  | ●  |    |    | ●  |    |
| UTG1000X   | 2        | 200MSa/s      | 16bits       | 4kpts      |                     |     |     |     |     |     |    |    | ●  |    |    | ●  |
| UTG900E    | 2        | 200MSa/s      | 14bits       | 4kpts      |                     |     |     |     |     |     |    | ●  |    | ●  |    |    |

# Spectrum Analyzers



| Series     | Frequency Range | DANL      | Frequency Resolution | RBW                                     | Phase Noise                        | Sweep Points | Tracking Source    |
|------------|-----------------|-----------|----------------------|-----------------------------------------|------------------------------------|--------------|--------------------|
| UTS5000A   | 9kHz-26.5GHz    | < -163dBm | 1Hz                  | 1Hz-3MHz (10 % steps), 4, 5, 6, & 8 MHz | <-107 dBc/Hz (Typical value)@10kHz | 100,001      | No                 |
| UTS3000A   | 9kHz-8.4GHz     | < -165dBm | 1Hz                  | 1Hz-10MHz                               | <-100 dBc/Hz (Typical value)@10kHz | 40,001       | Yes                |
| UTS3000B/T | 9kHz-8.4GHz     | < -161dBm | 1Hz                  | 1Hz-3MHz                                | <-98 dBc/Hz (Typical value)@10kHz  | 40,001       | Optional/ T-Models |
| UTS1000B/T | 9kHz-3.2GHz     | < -161dBm | 1Hz                  | 1Hz-1MHz                                | <-98 dBc/Hz (Typical value)@10kHz  | 10,001       | T-Models           |

# DC Power Supplies



| Series    | Type      | Channels | Max Output Voltage | Max Output Current | Max Power | Max Resolution | Interfaces                    |
|-----------|-----------|----------|--------------------|--------------------|-----------|----------------|-------------------------------|
| UDP4303S  | Linear    | 4        | 0-32V              | 0-3A               | 297W      | 1mV/1uA        | USB, RS-232, LAN, Digital I/O |
| UDP3000/S | Linear    | 3/4      | 0-32V              | 0-5A               | 348W      | 10mV/1mA       | USB, RS-232, LAN, Digital I/O |
| UDP1000   | Linear    | 1        | 0-32V              | 0-6A               | 192W      | 10mV/1mA       | USB, RS-232                   |
| UDP6900   | Switching | 1        | 0-150V             | 0-25A              | 600W      | 1mV/0.1mA      | USB, RS-232/RS-485, LAN       |
| UDP6700   | Switching | 1        | 0-80V              | 0-30A              | 360W      | 10mV/1mA       | RS-232, Remote Compensation   |