

# UNI-T UT191E professional digital multimeter



Model: UT191E

Manufacturer: UNI-T

EAN: 6935750519103

Product Code: 806876

## R1,995

### UNI-T UT191E professional digital multimeter

The UNI-T UT191E is a professional digital multimeter designed for use in harsh industrial environments. Equipped with True RMS function, the meter provides accurate measurements of voltage, current, resistance, capacitance and frequency. The UT191E offers a resolution of 6,000 counts and automatic or manual range selection. The meter's housing meets the IP65 standard and can withstand drops from heights of up to 2 meters, making it an ideal tool for use in harsh and changing environments.

### Precise measurements

The UT191E multimeter can measure DC and AC voltages up to 600 V, as well as DC and AC currents up to 20 A, giving it a wide range of applications in industry, service or installation. The

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measurement accuracy is  $\pm(0.5\% + 3)$  for DC voltage and  $\pm(0.7\% + 3)$  for AC voltage. In addition, the meter can measure resistance up to 60 M $\Omega$ , capacitance up to 60 mF and frequency up to 1 MHz. Duty cycle measurement covers the range from 0.1% to 99.9%, making it easy to analyze pulse signals.

### True RMS and LoZ function - greater accuracy and safety

Thanks to True RMS technology, the multimeter accurately measures the value of signals with irregular waveforms, which is essential for measurements in systems powered by inverters, UPS, etc. LoZ (low input impedance) mode increases the reliability of measurements in industrial installations.

### High resistance

The meter's housing meets the IP65 standard, which means full resistance to dust and water. In addition, the device has passed a drop test from a height of 2 meters, making it extremely durable even in construction and industrial conditions.

|                              |                               |
|------------------------------|-------------------------------|
| Manufacturer                 | UNI-T                         |
| Model                        | UT191E                        |
| DC voltage measurement range | 600 V $\pm(0.5\% + 3)$        |
| AC voltage measurement range | 600 V $\pm(0.7\% + 3)$        |
| LoZ ACV                      | 600 V $\pm(2\% + 5)$          |
| ACV LPF                      | 600 V $\pm(2\% + 5)$          |
| DC current                   | 20 A $\pm(0.8\% + 3)$         |
| AC current                   | 20 A $\pm(1\% + 3)$           |
| Resistance                   | 60M $\Omega$ $\pm(0.8\% + 2)$ |
| Capacitance                  | 60mF $\pm(3\% + 5)$           |
| Frequency                    | 10Hz~1MHz $\pm(0.1\% + 4)$    |
| Duty cycle                   | 0.1%~99.9% $\pm(2\% + 5)$     |
| ACV peak value support       | $\pm(2\% + 100)$              |

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|                                            |                  |
|--------------------------------------------|------------------|
| <b>Peak current detection</b>              | ±(3%+100)        |
| <b>Sampling frequency</b>                  | 3 times/second   |
| <b>Analog bar graph</b>                    | 31 sections      |
| <b>True RMS</b>                            | Yes              |
| <b>AC voltage frequency response</b>       | 45Hz~400Hz       |
| <b>AC frequency response</b>               | 45Hz~400Hz       |
| <b>Diode/continuity test</b>               | Yes              |
| <b>Automatic/manual range</b>              | Yes              |
| <b>Automatic power off</b>                 | Yes              |
| <b>Low battery indicator</b>               | Yes              |
| <b>Data storage/MAX/MIN</b>                | Yes              |
| <b>Function selection (SELECT)</b>         | Yes              |
| <b>Flashlight/Automatic backlight</b>      | Yes              |
| <b>Drop test from a height of 2 m/IP65</b> | Yes              |
| <b>Power supply</b>                        | 9V battery       |
| <b>LCD display size</b>                    | 58 x 42 mm       |
| <b>Weight</b>                              | 428 g            |
| <b>Dimensions</b>                          | 180 x 87 x 59 mm |

GPSR Link: [https://psr-assets.innpro.pl/rc\\_models/sg\\_rc\\_models\\_tools\\_and\\_gauges.pdf](https://psr-assets.innpro.pl/rc_models/sg_rc_models_tools_and_gauges.pdf), Gross weight: 790, Net weight: 428, Box length: 29,00, Box width: 15,00, Box height: 10,50

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