UNI-T®

UT105+/UT107+
Automotive Multimeter

- True RMS
- 1000V AC/DC voltage measurement
- 10A AC/DC current measurement (20A for 10s max)
- VFC 1000V voltage measurement
- Dwell angle 1-8CYL
- RPM 2STR/4STR
- Capacitance/Pulse width/12V battery test (UT107+)
- Temperature/Resistance/Frequency
- Data hold/Relative mode/Duty cycle
- Diode/Transistor
- Backlight
- CAT II 1000V/CAT III 600V



UT107+

UT105+ and UT107+ Automotive Multimeters have updated measurement functions, accuracy, and meter shell to test conventional and hybrid vehicles. This series contains all the reliable functions of the traditional multimeter and offers RPM, dwell angle, pulse width, and battery test as well.

1000V AC/DC voltage and 10A AC/DC current (20A for 10s and 10A continuously) measurement range is suitable for most of the vehicle and electrical facilities maintenance. Up to 1000V VFC mode enables users to take accurate measurements on variable-frequency motor drives, water pumps, HVAC systems.

UT105+and UT107+ are both True RMS automotive multimeters that meet CAT II 1000V/CAT III 600V safety standards. UT105+ is designed for basic vehicle troubleshooting with 4000 counts display. UT107+ supports some extra functions, such as battery test, pulse width, capacitance with 6000 counts display.

Specifications	Range	UT105+	UT107+
DC voltage (V)	1000V	±(0.5%+3)	±(0.5%+3)
AC voltage (V)	1000V	±(0.8%+3)	±(0.8%+3)
AC current (A)	10A (20A for 10s max)	±(1.0%+8)	±(1.0%+8)
DC current (A)	10A (20A for 10s max)	±(0.8%+8)	±(0.8%+8)
Resistance (Ω)	40MΩ	±(0.8%+3)	
	60MΩ		±(0.8%+3)
Capacitance (F)	100mF		±(3%+10)
Frequency (Hz)	10Hz~10MHz	±(0.1%+5)	±(0.1%+5)
Temperature (°C)	-40°C~1000°C	±3	±(1.0%+3)
Temperature (°F)	-40°F~1832°F	±5	±(1.5%+5)
VFC	1000V	±(2.0%+10)	±(2.0%+10)
RPM	2STR	±(3.0%+5)	±(3.0%+5)
	4STR	±(3.0%+3)	±(3.0%+3)
Dwell angle	1CYL(0~356.4°)/2CYL (0~178.2°)/3CYL(0~118.8°) /4CYL(0~89.1°)/5CYL (0~71.3°)/6CYL(0~59.4°) /8CYL(0~44.5°)	±(3.0%+5)	±(3.0%+5)
Pulse width	999.9mS		±(1.5%+10)
Features			
Display count		4000	6000
Manual range		√	√
Continuity/diode/transistor		√	√
Duty cycle		√	√
High voltage alarm		√	√
High voltage overload alarm		√	√
Large current alarm		√	√
Low battery indication	<2.4V approximately	√	√
Backlight		√	√
Auto power off	Approximately 15 minutes	√	√
Data hold		√	√
Max/Min/Relative mode		√	√
VFC		√	√
12V battery test			√
Safety rating		CAT II 1000V/CAT III 600V	CAT II 1000V/CAT III 600V

