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● UT107



● UT109

UT100 series is specially designed for automobiles diagnostic. It combines RPM, DWELL, and other multimeter functions. The series is useful for automobile maintenance personnel to diagnose traditional vehicles and hybrid electric vehicles. Its applications include working on fuse, switch, solenoid, relay, charging system, fuel system, engine sensing etc.

- Diode/Data hold
- Continuity buzzer
- Low battery indication
- Input protection

■ SPECIFICATIONS

| | Range | UT105 | UT107 | UT109 |
|------------------|------------------------------|-----------|-----------|-----------|
| DC voltage (V) | 200mV/2V/20V/200V/1000V | ±(0.5%+5) | | |
| | 200mV/2V/20V/1000V | | ±(0.5%+2) | |
| | 1000V | | | ±(0.5%+3) |
| AC voltage (V) | 2V/20V/200V/750V | ±(0.8%+5) | | |
| | 200V/750V | | ±(0.8%+5) | |
| DC current (A) | 200mA/10A | ±(0.8%+5) | ±(0.8%+5) | |
| | 10A | | | ±(1%+2) |
| AC current (A) | 10A | | | ±(1.2%+5) |
| Resistance (Ω) | 200Ω/2kΩ/20kΩ/200kΩ/2MΩ/20MΩ | ±(0.8%+5) | | |
| | 200Ω/2kΩ/20kΩ/200kΩ/20MΩ | | ±(0.8%+5) | |
| | 40MΩ | | | ±(1%+5) |
| Capacitance (F) | 100μF | | | ±(3%+5) |
| Frequency (Hz) | 2kHz | | ±(2%+5) | |
| | 10Hz~1MHz | | | ±(0.1%+4) |
| Temperature (°C) | -40°C~1000°C | | ±(2%+8) | |
| | -40°C~537°C | | | ±(1%+10) |

Features

| | | | | |
|-------------------------|----------------|---------|---------|---------|
| Display count | | 2000 | 2000 | 4000 |
| Manual range | | √ | √ | |
| Auto range | | | | √ |
| Battery test | 12V | | ±(3%+5) | |
| Duty cycle | 1%~90% | | ±(4%+5) | |
| Auto power off | | | | √ |
| MAX/MIN/RS-232 | | | | √ |
| LCD backlight | | | | √ |
| USB interface | | | | √ |
| Input impedance for DCV | Around 10MΩ | √ | √ | √ |
| Dwell/Tach | 4CYL/6CYL/8CYL | ±(3%+5) | ±(3%+5) | ±(3%+5) |

■ GENERAL CHARACTERISTICS

| | |
|------------------------------|---|
| Power | 9V battery (6F22) |
| Display | UT105/UT107: 60mm x 54mm; UT109: 65mm x 43mm |
| Product color | Red and grey |
| Product net weight | UT105/UT107: 351g (including holster); UT109: 370g |
| Product size | UT105/UT107: 179mm x 88mm x 39mm; UT109: 180mm x 87mm x 47mm |
| Standard accessories | UT105: Battery, test leads, holster UT107: Battery, test leads, holster, point contact temperature probe UT109: Battery, test leads, alligator clip, RS-232 interface cable, PC software CD, point contact temperature probe, multi-purpose socket |
| Standard individual packing | Gift box, English manual |
| Standard quantity per carton | UT105/UT109: 20pcs; UT107: 40pcs |
| Standard carton measurement | UT105: 450mm x 330mm x 340mm; UT107: 645mm x 450mm x 340mm UT109: 465mm x 335mm x 365mm |
| Standard carton gross weight | UT105: 5.9kg; UT107: 22.86kg; UT109: 14.7kg |
| Optional accessory | UT109: USB interface cable |