UNI-T®

UT181 Series

True RMS Datalogging Multimeters

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UNI-T®

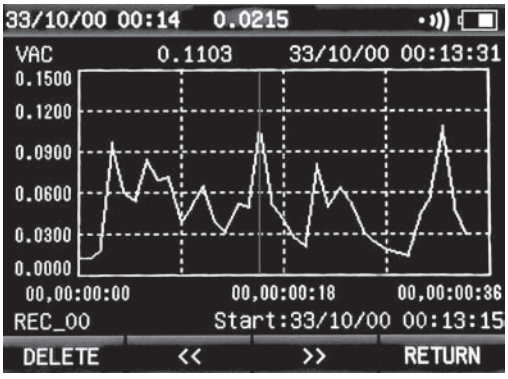
UT181 SERIES
True RMS Datalogging Multimeters
UT181A

CAT III 1000V | CAT IV 600V | EN 61010-1 EN 61010-2-033 EN 61326-1 | NEW

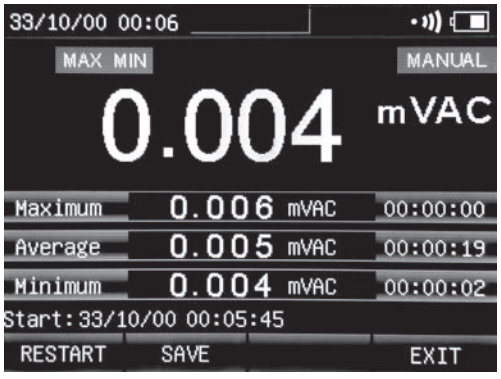
Main Feature:

1. Display count 60000 (320X240 resolutions 3.5”TFT Color LCD display);
2. Support displaying multiple measurement results at the same time;
3. More than 10 measurements including: Voltage(AC/DC)、Current(AC/DC)、Resistance、Diode、Capacitance, Admittances、Frequency、Duty Cycle、Impulse Width、Dual-Temperature and etc;
4. True RMS response for AC Voltage and AC Current measurement with build-in low pass filter;
5. 100kHz bandwidth for AC voltage and AC current measurement, together with 10kHz bandwidth for AC voltage and AC current at AC+DC measurement mode;
6. Data logging up to 20k data set of memory; Data events include store, review, delete, plot in trend-diagram;
7. Other data events including Max, Min, and AVG;
8. Up to 20A current measurement (30 seconds of measurement time);
9. Standard USB cable for PC communication, and optional Bluetooth Adaptor (UT-D07A) for Smart Phone communication;
10. Rugged double molding and IP65 water proof industrial design;
11. Compatible with EN61010-1 safety rating at CAT III 1000V/ CAT IV 600V;
12. Power by 2200mAh Li-ion battery and recharge by included power adaptor.

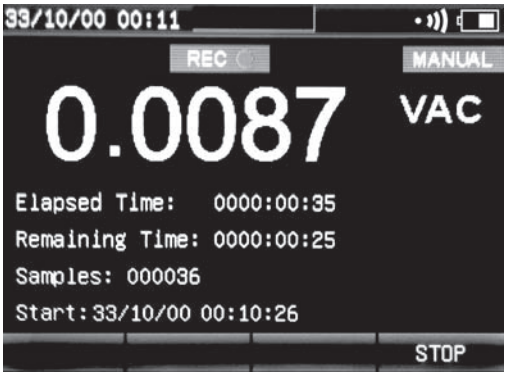
Imaging as below:



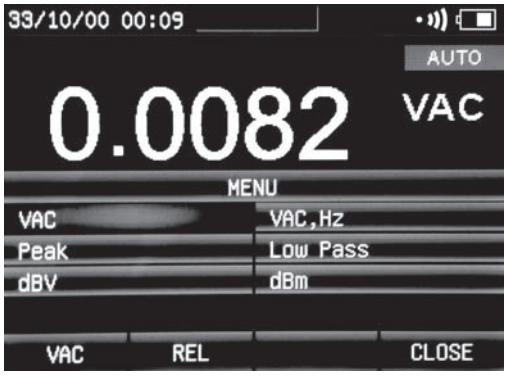
(1). Trend Capture Function



(2). Max/Mix/AVG Measure Function



(3). Data Logging Function



(4). Menu-Multi-Function selectable

CAT III 1000V
CAT IV 600V
EN 61010-1
EN 61010-2-033
EN 61326-1
NEW

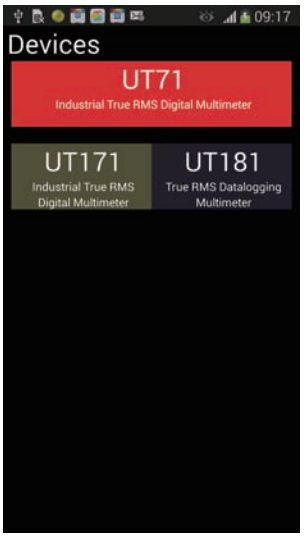
UT-D07A

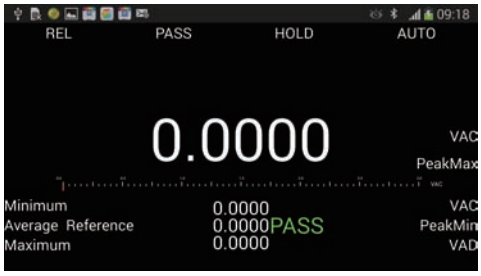
UT-D07A Bluetooth Adaptor

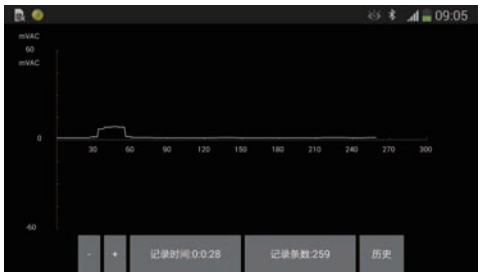
- Build-in Smart Bluetooth 4.0 Low Energy module
- Power by 2 x 1.5V AAA batteries
- Support iOS 6.0 or above and Android 4.0 or above
- Compliable to UT71/UT171/UT181 series digital multimeter

苹果手机

安卓手机







iDMM Smart Phone Application

iDMM is a smart phone application for data transferring or collecting for Uni-T brand DMM including UT71/UT171 and UT181 series digital multimeter. iDMM application can be download at both Apple store or Android store (http://m.appchina.com/search/iDMM).

Features of iDMM including the following:

1. iDMM support 3 operating model
   a) Real-Time mode: transferring and data from support DMM to smartphone at sampling rate of the DMM;
   b) Data logging mode: Log data transfer from DMM to smartphone at desire sampling set by the Smart Phone;
   c) Data transfer mode: transfer the measurement data stored at the DMM to smartphone application.
2. iDMM also support 3 different views
   a) List view: data is representing as a list of measurement result;
   b) Landscape view:current measurement data at enlarge view;
   c) Trend-Capture view: graphic representation to the measurement result.
3. Other features
   a) Setting up sampling rate for data logging mode;
   b) Email the store list data.

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■ UT181A

SPECIFICATIONS

Specifications	Range	Best Accuracy
Model		**UT181A**
DC Voltage (V)	60mV/600mV/6V/60V/600V/1000V	±(0.025%+5)
AC Voltage (V)	60mV/600mV/6V/60V/600V/1000V	±(0.3%+30)
DC Current (A)	600μA/6000μA/60mA/600mA/10A	±(0.08%+10)
AC Current (A)	600μA/6000μA/60mA/600mA/10A	±(0.6%+20)
Resistance (Ω)	600Ω/6kΩ/60kΩ/600kΩ/6MΩ/60MΩ	±(0.05%+2)
Admittance (nS)	60nS	±(2%+10)
Capacitance (F)	6nF/60nF/600nF/6μF/60μF/600μF/6mF/60mF	±(2%+5)
Frequency (Hz)	10Hz ~ 60MHz	±(0.01%+5)
Temperature (°C)	-40 °C ~1000°C	±(1%+30)
Temperature (°F)	-40°F~1832°F	±(1.5%+50)
Features		
Display Count		60000
Auto Range		√
Manual Range		√
True RMS		√
Bandwidth（Hz）	100kHz	√
AC+DC		√
Lowpass Filter	1 kHz(-3db)	√
dBV/dBm		√
Continuity Buzzer		√
Diode	Around 3V	√
Duty Cycle	10% ~ 90%	√
Dual Temperature Measurement	T1,T2, T1-T2, T2-T1	√
Data Hold		√
Peak Hold		√
Relative Mode		√
Data Logging	20000	√
Trend Capture		√
MAX/MIX/AVG		√
Date Time Display		√
Data Comparison		√
Display Type	3.5 Inches 64k Color TFT LCD (320 × 240)	√
LCD Backlight		√
Simulate Strip		√
USB Data Transport		√
Mis-Plug Alarm		√
Battery Indication		√
Auto Power Off		√
Charge Function		√
Input Protection		√
Input Impedance	Around 10MΩ	√

GENERAL CHARACTERISTICS

Power	7.4V 2200mAh Li-ion Battery
LCD Size	70mm × 52mm
Product Color	Red and Grey
Product Net Weight	638.6 g
Product Size	103mm × 225mm × 59mm
Standard Accessories	Battery,Test Lead,Temperature Adaptor,Power Adaptor, Point Contact Temperature Probe x 2,CD Software,USB Cable
Standard Individual Packing	Giftbox,Carrying Bag,Manual,Warranty Card
Standard Quantity Per Carton	20 Pcs
Standard Carton Measurement	480mm × 385mm × 505mm (0.085 CBM Per Standard Carton)
Standard Carton Gross Weight	26.5 Kg
Optional Accessories	Bluetooth Adaptor (UT-D07)