

# Professional Digital Multimeters Digital AC, AC/DC Clamp Meters Electrical Testers Insulation Testers



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031

Professional Industrial Digital Multimeters  
Double molded  
Accurate measurement  
CAT IV 600V  
CAT III 1000V



Model 988 (P83)



Model 3381 (P119)

AC/DC clamp meter  
True RMS current measurement  
Double molded housing  
CAT IV 600V, CAT III 1000V



Model 961 (P97)



Model 218 (P103)



Model 9989 (P75)

Model 9382 (P117)



Model 6605 (P153)



Model 6650 (P145)

# Professional True RMS Industrial Multimeter / Oscilloscope with TFT color LCD display

## Features

- 10MHz oscilloscope
- 50,000 count, 0.025% accuracy
- Fast response, 20 times/sec
- 100kHz AC bandwidth
- Fully PC Calibration
- Bluetooth interface
- IP67 dust and waterproof
- CATIII 1000V/CATIV 600V



CE  
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EN: 61010-1, EN: 61010-02-031



Worldwide Patent:  
PCT/CN2012/082191

9989 Professional True RMS Industrial Digital Multimeter with oscilloscope functions and TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features.

Meterbox iMM software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

- TFT color LCD display
- 50000 counts
- PC Calibration

Model 9989

## Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges



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- IP67 dust and water proof
- True RMS

Made for  
iPod iPhone iPad



## Features

- Large 50,000 count 320 x 240 TFT color LCD display
- 20MHz/50MS/s bandwidth/Real time sample rate
- Logging function with Trend Capture for easy review of logged data
- Bluetooth PC interface for easy data transfer & accuracy calibration
- 100kHz bandwidth (voltage/current)
- AC, AC+DC true-RMS measurements
- 0.025% DCV accuracy with Fully PC Calibration
- Saves measurements, records events and trends
- 20 Times/sec. A/D convert fast sampling time
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Moto winding and low ohm (50Ω) measurement range
- Low pass filter
- IP Rating 67 & CATIII 1000V/CATIV 600V
- Bluetooth interface to smartphone / PC.
- Meterbox iMM & cloud service

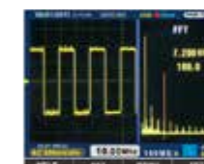
## Specifications

Oscilloscope Functions		
Display Size	3.5" color LCD; 320 x 240 pixels	
Bandwidth	20MHz	
Real time sample rate	50MS/s	
Risetime	10ns	
Channels	1	
Vertical Sensitivity	50mV/div to 200V/div	
Vertical Resolution	8 bits	
Trigger Mode	Free Run, falling edge, rising edge	
Trigger Source	Internal	
Trigger Coupling	AC/DC	
Input impedance	1MΩ/15pF	
Max Input Volatage	1000Vp-p	
Cursor Measurement	Voltage and time/ Frequency	
True RMS Multimeter Functions		
Function	Maximum	Max, resolution Accuracy
Voltage DC	1000V	1µV ±(0.025% + 5)
Voltage AC	1000V	1µV ±(0.4% + 40)
Current DC	10A	0.01µA ±(0.15% + 2)
Current AC	10A	0.01µA ±(0.6% + 5)
Temperature	-200°C to 1350°C	0.1°C ±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω ±(0.05% + 2)
Capacitance	10mF	0.001nF ±(1.0% + 5)
Frequency	10MHz	0.01Hz ±(0.005% + 1)
Diode and Continuity	Yes	
PC Interface	Bluetooth	
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger	

Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

## Accessories:

Test leads, Li-ion batteries, Type K temperature probe, Bluetooth and Software, gift box with carrying case.



10MHz Oscilloscope Function



Fast response time



High Resolution & Accuracy



Multifunction Selectable



Trend Capture function



Help Menu



- TFT color LCD display
- 50000 counts
- PC Calibration

- IP67 dust and water proof
- True RMS



Model 9987



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



The 9987 Professional True RMS Industrial Digital Multimeter with TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is much more safer measurements with double molded plastic housing design and IP67 waterproof function.

**Safety Conformance**

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

**Features**

- Large 50,000 count 320 x 240 TFT color LCD display
- Logging function with TrendCapture for easy review of logged data
- Bluetooth interface for easy data transfer & accuracy calibration
- 100kHz bandwidth (voltage/current)
- AC, AC+DC True-RMS measurements
- Records events and trends
- Saves measurements
- A/D convert fast sampling time
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Moto winding and low ohm 50Ω measurement range
- 4-20mA process loop measurements with % reading
- Low pass filter
- IP Rating 67
- Meterbox iMM & cloud service

**Specifications**

Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1µV	±(0.025% + 5)
Voltage AC	1000V	1µV	±(0.4% + 40)
Current DC	10A	0.01µA	±(0.15% + 2)
Current AC	10A	0.01µA	±(0.6% + 5)
Temperature	-200°C to 1350°C	0.1°C	±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω	±(0.05% + 2)
Capacitance	10mF	0.001nF	±(1.0% + 5)
Frequency	10MHz	0.01Hz	±(0.005% + 1)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

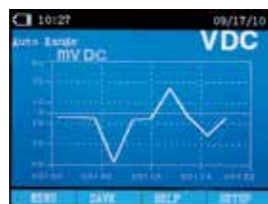
Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

**Accessories:**

Test leads, Li-ion batteries, Type K temperature probe, AC Adaptor Software, gift box with carrying case.



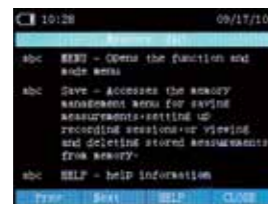
Fast response time



Trend Capture function



High Resolution & Accuracy



Help Menu



- IP67 dust and water proof
- True RMS

- Full Graphics LCD display
- 50000 counts
- PC Calibration

9979 Professional True RMS Industrial Digital Multimeter with 50,000 counts and full Graphics Type LCD display with white backlight, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can monitor any problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is much more safe measurements with double molded plastic housing design and IP67 waterproof function.

**Safety Conformance**

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges



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**Features**

- Large 50,000 counts, Full Graphics Type LCD display with white backlight. Multiple sets of measurement information can simultaneously be displayed at the same time.
- Voltage (DC/AC), current (DC/AC), resistor, diode, capacitance, frequency and duty cycle measurement
- Ability to record data of signals and review Trend Capture curve, monitoring while you work on other project, It plots measurements as a single line to help detect signal anomalies over time; store up to 10,000 recorded events
- Log multiple sessions or log data continuously for over 200 hours.
- Real Time Clock – for automatic time stamping of saved readings
- Expandable meter lets you stay current as new capabilities are added
- Allow to save and name the measurements, and also recall them at any time
- Min/Max/Average with Time Stamp to record signal fluctuations
- Auto zeroing function
- Soft keys, scroll buttons much more secondary functions to access in easily
- TRMS AC voltage and current for accurate measurements on complex signals or non-linear loads.
- Measure up to 10A (20 A for 30 seconds; 10A continuous)
- Peak hold function with calibration mode
- 10MHz Frequency counter and 1MHz duty cycle measurement
- IP67 Waterproof and Auto Power Off
- Bluetooth interface
- Meterbox iMM & cloud service

**Specifications**

Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1µV	±(0.025% + 5)
Voltage AC	1000V	1µV	±(0.4% + 40)
Current DC	10A	0.01µA	±(0.15% + 2)
Current AC	10A	0.01µA	±(0.6% + 5)
Temperature	-200°C to 1350°C	0.1°C	±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω	±(0.05% + 2)
Capacitance	10mF	0.001nF	±(1.0% + 5)
Frequency	10MHz	0.01Hz	±(0.005% + 1)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

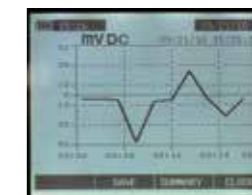
Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

**Accessories:**

Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.



Model 9979



Trend Capture function



Fast Response time



Real-time data Recording



Multifunction selectable



Model 9978



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



- Safety Conformance**
- EN61010-1 CAT IV 600V, CAT III 1000V
  - 1000V input protection on all ranges
  - 10A/1000V & 0.5A/1000V fuses protection on current ranges



**Specifications**

Model		9970	9971	9978
	Max. Range		Best Accuracy	
DC Voltage (v)	1000V	±(0.1%+8)	±(0.05%+5)	±(0.025%+5)
AC Voltage (v)	1000V	±(0.8%+40)	±(0.6%+40)	±(0.4%+40)
DC Current (A)	10A	±(0.2%+20)	±(0.15%+20)	±(0.15%+2)
AC Current (A)	10A	±(1%+15)	±(0.8%+15)	±(0.6%+5)
Resistance (Ω)	50MΩ	±(0.5%+20)	±(0.4%+20)	±(0.05%+2)
Capacitance (F)	10mF	±(1.5%+20)	±(0.2%+20)	±(1.0%+5)
Frequency (Hz)	10MHZ	±(0.1%+15)	±(0.1%+15)	±(0.005%+1)
Temperature(°C)	-40°C~1000°C		±(1.0%+30)	±(1.0%+2.5°)
Temperature (°F)	-40°F~1832°F		±(1.5%+50)	±(1.0%+2.5°)

**Features**

	9970	9971	9978
3.5" LCD Display Count	30,000	30,000	50,000
True RMS and Auto Range	*	*	*
Bandwidth (Hz)	100KHz	*	*
Duty Cycle	10%~90%	±(1%+30)	±(1%+30)
Diode	*	*	*
Auto Power Off	*	*	*
Continuity Buzzer	*	*	*
Low battery indication	*	*	*
Data Hold	*	*	*
Relative Mode	*	*	*
MAX/MIN	*	*	*
Data logging	*	100	*
Bluetooth Interface	*	*	*
Double Backlight	*	*	*
Analogue Bar Graph	*	*	*
Full Icon Display	*	*	*
Setup	*	*	*
Input Impedance for DCV/ACV	10MΩ	*	*
4-20mA Loop	0~100%	±(1%+50)	±(1%+50)
10A/1000V & 0.5A/1000V fuses protection on current ranges	*	*	*
Current Measurement Alarm	*	*	*
Voltage & Current AC+DC Measurement	*	*	*

Size(HxWxD): 220mm x 96mm x 60mm

Weight: 631g

Accessories: Test leads, 6x1.5V "AAA" batteries, Type K temperature probe(9971), gift box with carrying case and Software



Model 9970



Model 9971

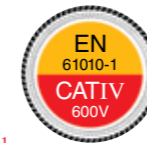


9972/9973/9974 are the new Professional Digital Multimeters which provide safer measurements with double molded plastic housing design and IP67 waterproof function. 9972/9973/9974 performance like datalogger & True RMS AC voltage and current measurements, 50,000 counts resolution and 0.025% basic DC accuracy within the reach of more customers.

All inputs are protected by EN 61010-1 CATIV 600V/CATIII 1000V.



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- Bluetooth interface
- 50000 counts
- PC Calibration

- IP67 dust and water proof
- True RMS



Model 9972



Model 9973



Model 9974

**Specifications**

Model		9972	9973	9974
	Range			
DC Voltage (v)	500mV/5V/50V/500V/1000V	±(0.025%+5)	±(0.025%+5)	±(0.025%+5)
AC Voltage (v)	500mV/5V/50V/500V/1000V	±(0.4%+30)	±(0.4%+30)	±(0.4%+30)
DC Current (A)	500μA/5000μA/50mA/500mA/10A	±(0.1%+15)	±(0.15%+15)	±(0.1%+15)
AC Current (A)	500μA/5000μA/50mA/500mA/10A	±(0.7%+15)	±(0.7%+15)	±(0.7%+15)
Resistance (Ω)	500Ω/5KΩ/50KΩ/500KΩ/5MΩ/50MΩ	±(0.3%+8)	±(0.3%+8)	±(0.3%+8)
Capacitance (F)	50nF/500nF/5μF/50μF/500μF/5mF/50mF	±(1%+20)	±(1%+20)	±(1%+20)
Frequency (Hz)	10Hz-10MHz	±(0.01%+8)	±(0.01%+8)	±(0.01%+8)
Temperature(°C)	-40°C~1000°C	±(1%+30)	±(1%+30)	±(1%+30)
Temperature (°F)	-40°F~1832°F	±(1.5%+50)	±(1.5%+50)	±(1.5%+50)
Power (W)	2500W			±(2%+5)

**Features**

	9972	9973	9974
3.5" LCD Display Count	50,000	50,000	50,000
Auto Range	*	*	*
True RMS	*	*	*
Bandwidth (Hz)	100KHz	*	*
Duty Cycle	10%~90%	±(1%+30)	±(1%+30)
Diode	*	*	*
Auto Power Off	*	*	*
Continuity Buzzer	*	*	*
Low battery indication	*	*	*
Data Hold	*	*	*
Relative Mode	*	*	*
MAX/MIN	*	*	*
Data logging	100	9999	100
Bluetooth Interface	*	*	*
Double Backlight	*	*	*
Analogue Bar Graph	*	*	*
Full Icon Display	*	*	*
Setup	*	*	*
Input Impedance for DCV/ACV	10MΩ	*	*
4-20mA Loop	0~100%	±(1%+50)	±(1%+50)
10A/1000V & 0.5A/1000V fuses protection on current ranges	*	*	*
Current Measurement Alarm	*	*	*
Voltage & Current AC+DC Measurement	*	*	*

Size(HxWxD): 220mm x 96mm x 60mm

Weight: 631g

Accessories:

Test leads, 6x1.5V "AAA" batteries, Type K temperature probe, power adaptor(9974) gift box with carrying case and Software

# Heavy Duty True RMS Industrial Multimeter with TFT color LCD display

## Features

- Bluetooth interface
- Fully PC Calibration
- Fast response time 10/sec
- 100kHz AC bandwidth
- Heavy duty & compact size
- CATIV 600V/ CATIII 1000V



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EN: 61010-1, EN: 61010-02-031



The 989 Heavy duty True RMS Industrial Digital Multimeter with TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is safer measurements with double molded plastic housing design.

• True RMS

- TFT color LCD display
- 50000 counts
- PC Calibration



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EN: 61326  
EN: 61010-1, EN: 61010-02-031



## Features

- Large 50,000 count 320 x 240 TFT color LCD display
- Logging function with TrendCapture for easy review of logged data
- Graph 100 Data review
- Bluetooth interface for easy data transfer & accuracy calibration
- 10kHz bandwidth (voltage/current)
- AC, ACV+DCV True-RMS measurements
- Records events and trends
- Saves measurements
- A/D convert fast sampling time
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- 4-20mA process loop measurements with % reading
- Battery capacity indication
- Date indication
- Meterbox iMM & cloud service

## Specifications

Function	Maximum	Max, resolution	Accuracy
Voltage DC	1000V	100mV	±(0.03% + 4)
Voltage AC	1000V	100mV	±(0.5% + 40)
Current DC	10A	0.1µA	±(0.1% + 5)
Current AC	10A	0.1µA	±(0.8% + 5)
Temperature	-200°C to 1350°C	0.1°C	±(1.0% + 3°C)
Resistance	50MΩ	0.1Ω	±(0.1% + 5)
Capacitance	10mF	0.01nF	±(1.0% + 10)
Frequency	10MHz	0.01Hz	±(0.01% + 4)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

Size(HxWxD): 170mm x 79mm x 50mm

Weight: 360g

Accessories:

Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.



High Resolution & Accuracy



Trend Capture function



Help Menu



Model 989

Fast response time



• True RMS

- TFT color LCD display
- 6000 counts
- PC Calibration

The 988 Heavy duty True RMS Industrial Digital Multimeters with TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is much more safe measurements with double molded plastic housing design.

**Safety Conformance**

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

**Features**

- Large 6000 count 320 x 240 TFT color LCD display
- Logging function with Trend Capture for easy review of logged data
- Graph 100 Data review
- Bluetooth interface for easy data transfer & accuracy calibration (Optional)
- 10kHz bandwidth (voltage/current)
- AC True-RMS measurements
- Setup function & Saves measurements
- A/D convert fast sampling time
- Peak capture (records transients as fast as 500µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- 4-20mA process loop measurements with % reading
- Meterbox iMM & cloud service

**Specifications**

Function	Maximum	Max. resolution	Basic accuracy
Voltage DC	1000V	100mV	±(0.08% + 4)
Voltage AC	1000V	100mV	±(0.9% + 5)
Current DC	10A	0.1µA	±(0.9% + 5)
Current AC	10A	0.1µA	±(1.2% + 5)
Temperature	760°C/1400°F	0.1°C/°F	±(1.0% + 3°)
Resistance	60MΩ	0.1Ω	±(1.0% + 5)
Capacitance	10mF	0.01nF	±(1.5% + 5)
Frequency	10MHz	0.01Hz	±(0.1% + 4)
Diode and Continuity	Yes		
PC Interface	Bluetooth (Optional)		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

**Size(HxWxD):** 170mm x 79mm x 50mm **Weight:** 360g

**Accessories:**

Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.

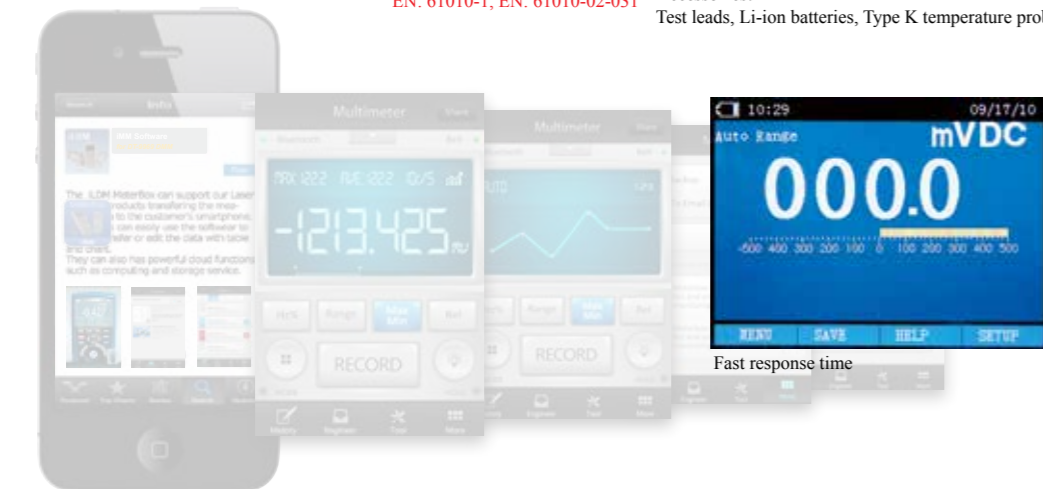


Model 988

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EN: 61326

EN: 61010-1, EN: 61010-02-031



Fast response time



High Resolution & Accuracy



Help Menu



• True RMS

• 6000 counts

The 985/987 Heavy duty True RMS Industrial Digital Multimeters with providing fast A/D converting sampling time, high accuracy. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments. It is much more safe measurements with double molded plastic housing design.

**Safety Conformance**

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

**Features**

- Large 60,000/6000 count LCD display with analog bargraph & backlight (987)
- 10kHz bandwidth (voltage/current)
- AC True-RMS measurements
- A/D convert fast sampling time
- Negativity display
- Peak capture (records transients as fast as 500µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Bluetooth interface for easy data transfer & accuracy calibration (Optional)
- 4-20mA process loop measurements with % reading

**Specifications**

Function	Maximum	Max. resolution	Basic Accuracy	985	987
Voltage DC	1000V	10mV 100mV	±(0.9% + 5)	*	*
Voltage AC	1000V	10mV 100mV	±(1.0% + 5)	*	*
Current DC	10A	0.01µA 0.1µA	±(1.5% + 5)	*	*
Current AC	10A	0.01µA 0.1µA	±(2.5% + 5)	*	*
Resistance	60MΩ	10 mΩ 100 mΩ	±(1.2% + 5)	*	*
Temperature	760°C/1400°F	0.1°C/°F	±(2.0% + 3°)	*	*
Capacitance	10mF	0.01nF	±(2.5% + 5)	*	*
Frequency	10MHz	0.01Hz	±(1.0% + 2)	*	*
Diode and Continuity	Yes				
Power Supply	1.5Vx4 "AAA" batteries.				

**Size(HxWxD):** 170mm x 79mm x 50mm

**Weight:** 360g

**Accessories:**

Test leads, Batteries, Type K temperature probe, Software, gift box with carrying case.



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Model 985



Model 987



## Features

- Fast respond time & PC calibration
- IP67 dust and water proof
- Bluetooth interface
- CATIII 1000V/CATIV 600V



EMC & LVD  
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## Meterbox-iMM Software for DT-971 Series DMM

### Amazing features and built-in apps.

The Meterbox-iMM software can support our DMM product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart.

They also have powerful cloud functions such as computing and storage service.



**More Applications...**



970/971/972/973 are the new Professional Digital Multimeters which provide much safer measurements with double molded plastic housing design and IP67 waterproof function. 972/973 performance like datalogger & True RMS AC voltage and current measurements, 50,000 counts resolution and a 0.03% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlight ensure that readings are easy to read under all circumstances.

All inputs are protected to EN 61010-1 CATIV 600V/CATIII 1000V.

### Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



- IP67 dust and water proof
- True RMS

- Bluetooth interface
- 50000 counts
- PC Calibration

## Features

	970	971	972	973
50,000 counts high resolution (0.01mV, 0.01μA, 0.01Ω)			*	*
Larger 50000 counts display with bargraph	6000 counts LCD display	6000 counts LCD display	Negativity LCD Display	OLED Display
AC+DC Measurement		*	*	*
9999 Readings memories		*	*	*
True RMS measurement & Peak capture mode	*	*	*	*
1000V input protection on all ranges	*	*	*	*
4-20mA process loop measurements with % reading		*	*	*
Data Hold/MAX/MIN recording mode	*	*	*	*
IP67 Waterproof and Auto Power Off	*	*	*	*
Wide capacitance range	*	*	*	*
Bluetooth interface with Meterbox iMM software		*	*	*
Powerful Working light	*	*	*	*

## Specifications

Function	Max. Range	Max. Resolution	Basic Accuracy
Voltage DC	1000 V	10μV	±0.03% (972/973) ±0.5% (970/971)
Voltage AC	1000V	10μV	±1.0%
Current DC	10A	0.01μA	±1.0%
Current AC	10A	0.01μA	±1.5%
Resistance	40MΩ	10mΩ	±0.3%
Duty Cycle	99.9%	0.1%	±1.2%
Frequency	10MHz	0.001Hz	±0.1%
Capacitance	40mF	10PF	±3.5%
Temperature	1200°C/2192°F/ 760°C/1400°F(9919)	0.1°C/°F	±1.0%
Diode Check			
Continuity Test			

**Size(HxWxD):** 183mm x 82mm x 55mm

**Weight:** 447g

### Accessories:

Test leads, 9V battery, Type K temperature probe, gift box with carrying case and Software



Model 971



Model 972



Model 973



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



# Meterbox-iMM Software for DT-9959 DMM

## Amazing features and built-in apps.

The Meterbox-iMM software can support our DMM product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart.

They also have powerful cloud functions such as computing and storage service.



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031

## More Applications...



## iCloud storage

The software guarantees that your measuring data is safe. At the same time, the user can manage, share and protect the data.

## Features

- Fast respond time & PC calibration
- IP67 dust and waterproof
- Bluetooth interface (9959)
- CATIII 1000V/CATIV 600V



9919/9929/9939/9949/9959 are the new Professional Digital Multimeters which provide much more safe measurements with double molded plastic housing design and IP67 waterproof function. 9949/9959 performance like datalogger & True RMS AC voltage and current measurements, 50,000 counts resolution and a 0.03% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlight ensure that readings are easy to read under all circumstances.

All inputs are protected to EN 61010-1 CATIV 600V/CATIII 1000V.

## Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges

- Bluetooth interface (9959)
- 50000 counts
- PC Calibration

- IP67 dust and water proof
- True RMS



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EN: 61326  
EN: 61010-1, EN: 61010-02-031



## Features

	9919	9929	9939	9949	9959
40,000 counts high resolution (0.01mV, 0.01µA, 0.01Ω)	*	*	*		
50,000 counts high resolution (0.01mV, 0.01µA, 0.01Ω)				*	*
Triple LCD display with bargraph & Backlit				*	*
AC+DC Measurement		*	*	*	*
9999 Readings memories		*	*	*	*
True RMS measurement & Peak capture mode	*	*	*	*	*
1000V input protection on all ranges	*	*	*	*	*
4-20mA process loop measurements with % reading	*	*	*	*	*
Data Hold/MAX/MIN recording mode	*	*	*	*	*
IP67 Waterproof and Auto Power Off	*	*	*	*	*
Wide capacitance range	*	*	*	*	*
Wireless USB interface				*	*
Bluetooth interface with Meterbox iMM software					*

## Specifications

Function	Max. Range	Max. Resolution	Basic Accuracy
Voltage DC	1000 V	10µV	±0.03% (9949/9959) ±0.06% (9929/9939) ±0.06% (9919)
Voltage AC	1000V	10µV	±1.0%
Current DC	10A	0.01µA	±1.0%
Current AC	10A	0.01µA	±1.5%
Resistance	40MΩ	10mΩ	±0.3%
Duty Cycle	99.9%	0.1%	±1.2%
Frequency	10MHz	0.001Hz	±0.1%
Capacitance	40mF	10PF	±3.5%
Temperature	1200°C/2192°F/ 760°C/1400°F(9919)	0.1°C/°F	±1.0%
Diode Check			
Continuity Test			

Size(HxWxD): 183mm x 82mm x 55mm  
Weight: 447g

## Accessories:

Test leads, 9V battery, Type K temperature probe, gift box with carrying case and Software (9959)  
USB cable and Software (9939)



Model 9959



Model 9929/9939



Model 9949



Model 9919







IP67 dust and water proof

True RMS (9915T/9917T/9918T)



Model 9918



Model 9917



Model 9915

The seven models of the new 9915,9915T, 9916, 9917,9917T, 9918 and 9918T series are the new 4000 counts multimeters. They set the standard with a combination of precision, features, easy-to-use, safety and reliability.

9915T/9917T/9918T have True RMS AC Voltage, Current readings, as well as Frequency and Capacitance ranges.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



EMC & LVD  
EN: 61326  
EN: 61010-1  
EN: 61010-02-031



Features

	9915/9915T	9916	9917/9917T	9918/9918T
Digital display counts	4000	4000	4000	4000
True RMS measurement	9915T		9917T	9918T
Safety design	*	*	*	*
Relative zero	*	*	*	*
Data Hold	*	*	*	*
MAX/MIN recording mode				*
Auto Power Off	*	*	*	*
Peak capture mode				*
Wide capacitance range		20mF		*
Current DC/AC 40μA		*		*
Analog bargraph/segment				*

Specifications

Function	Max. Range	Basic Accuracy	9915/9915T	9916	9917/9917T	9918/9918T
Voltage DC	1000 V	±0.5%	*	*	*	*
Voltage AC	1000V	±0.8%	*	*	*	*
Current DC	10A	±1.2%	*	*	*	*
Current AC	10A	±1.8%	*	*	*	*
Resistance	40MΩ	±0.8%	*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*
Frequency	10MHz	±1.5%	*	*	*	*
Capacitance	200μF/40mF	±3.0%	200μF	20mF	200μF	40mF
Temperature	760°C/1400°F	±3.0%			*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 182mm x 82mm x 55mm  
Weight: 360g

Accessories:

Test leads and 9V battery,  
Type K temperature probe (9917/9918/9917T/9918T), gift box with carrying case.



The three models of 9926, 9927 & 9927T series are the new 6000 counts multimeters. They are a combination of precision, features, easy-to-use, safety and reliability.

9928/ 9928T series are the new 11,000 counts and 9938 is the new 22,000 counts multimeter. They are a combination of precision, features, easy-to-use, safety and reliability.

9927T/9928T has True RMS AC Voltage and Current readings, MAX-MIN recording.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



EMC & LVD  
EN: 61326  
EN: 61010-1  
EN: 61010-02-031



Features

	9926	9927	9927T	9928	9928T	9938
Digital display counts	6000	6000	6000	11,000	11,000	22,000
Max.Resolution	0.1mV/0.1μA/0.1Ω			0.01mV/0.01μA/0.01Ω		
True RMS measurement			*		*	
Analog bargraph/segment	*/61	*/61	*/61			*
Safety design	*	*	*	*	*	*
Relative mode	*	*	*	*	*	*
Data Hold	*	*	*	*	*	*
MAX/MIN recording mode	*	*	*	*	*	*
Auto Ranging	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
Wide capacitance range	1000μF	1000μF	1000μF	110mF	110mF	*
Temperature function		*	*	*	*	*

Specifications

Function	Max. Range	Basic Accuracy
Voltage DC	1000 V	±0.09%
Voltage AC	1000V	±0.8%
Current DC	10A	±1.0%
Current AC	10A	±1.5%
Resistance	40MΩ	±0.3%
Duty Cycle	99.9%	±1.2%
Frequency	10MHz	±0.1%
Capacitance	40mF	±3.5%
Temperature	760°C/1400°F(9919)	±3.0%
Diode Check		
Continuity Test		

Size(HxWxD): 182mm x 82mm x 55mm  
Weight: 360g

Accessories:

Test leads, 9V battery.  
Type K temperature probe and gift box with carrying case.



Model 9927/9927T



Model 9926



Model 9928/9928T



Model 9938



# Heavy Duty Industrial Digital Multimeters



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



## Features

- IP67 dust and water proof
- Heavy duty & compact size
- CATIV 600V/ CATIII 1000V

9660 Series Category IV rating ensure the highest level of protection against sudden transient overvoltage and arcing flash-over with advanced DMM features and True RMS accuracy. This rugged, waterproof and drop-proof multimeter will take whatever rough handling you dish out.



EMC & LVD  
EN: 61326  
EN: 61010-1  
EN: 61010-02-031



9660 Series are new compact meters with double molded plastic housing and over sized high contrast 4000/6000 counts LCD display. They are all CAT IV rated for 600V/CATIII 1000V.



Model 9660B



Model 9661



Model 9662



Model 9663

Specifications		Best Accuracy					
Model	Range	9660	9660B	9661	9662	9663	9664
DC Voltage (V)	600mV/6V/60V/600V/1000V				±(0.5%+1)	±(0.5%+1)	±(0.1%+2)
	400mV/4V/40V/400V/1000V	±(0.5%+1)	±(0.5%+1)	±(0.5%+1)			
AC Voltage (V)	600mV/6V/60V/600V/1000V				±(1.0%+3)	±(1.0%+3)	±(0.8%+10)
	400mV/4V/40V/400V/1000V	±(1%+3)	±(1%+3)	±(1%+3)			
DC Current (A)	600µA/6000µA/60mA/600mA/6A/10A				±(1.0%+3)	±(1.0%+3)	±(0.5%+10)
	400µA/4000µA/40mA/400mA/10A	±(1%+2)	±(1%+2)	±(1%+2)			
AC Current (A)	600µA/6000µA/60mA/600mA/6A/10A				±(1.2%+3)	±(1.2%+3)	±(0.8%+3)
	400µA/4000µA/40mA/400mA/10A	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)			
Resistance (Ω)	600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ				±(1.2%+5)	±(1.2%+5)	±(0.8%+10)
	400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ	±(1%+2)	±(1%+2)	±(1%+2)			
Capacitance (F)	40nF/400nF/4µF/40µF/400µF/4000µF				±(3.0%+5)	±(3.0%+5)	±(3.0%+10)
	40nF/400nF/4µF/40µF/400µF/4mF/40mF	±(3%+5)	±(3%+5)	±(3%+5)			
Frequency(Hz)	10Hz-10MHz	±(0.1%+4)	±(0.1%+4)	±(0.1%+4)	±(0.1%+5)	±(0.1%+5)	±(0.01%+5)
Temperature(°C)	-40°C~1000°C		±(1.2%+3)	±(1.2%+3)		±(1.2%+3)	±(1.0%+3)
Temperature(°F)	+40°F~1832°F		±(1.2%+4)	±(1.2%+4)		±(2.0%+4)	±(1.8%+4)
Features							
Display Count		4000	4000	4000	6000	6000	40,000
Auto Range		*	*	*	*	*	*
True RMS			*				*
Bandwidth(Hz)		45Hz~400Hz	45Hz~400Hz	45Hz~400Hz	45Hz-1kHz	45Hz-1kHz	45Hz-10kHz
Duty Cycle	0.1~99.9%	*	*	*	*	*	*
Diode		*	*	*	*	*	*
Auto Power Off	Around 15 Minutes	*	30 Minutes	*	*	*	30 Minutes
Continuity Buzzer		*	*	*	*	*	*
Low Battery Indication	≤7.5V	*	*	*	*	*	*
Data Hold		*	*	*	*	*	*
Relative Mode		*	*	*	*	*	*
MAX/MIN		*	*	*	*	*	*
Peak Value		*	*	*	*	*	*
Bluetooth interface with Meterbox iMM software					*	*	*
LCD Backlight		*	*	*	*	*	*
Analogue Bar Graph		41	41	41	61	61	46
Input Protection		*	*	*	*	*	*
Input Impedance for DCV	Around 10MΩ	*	*	*	*	*	*
IP67 Waterproof		*	*	*	*	*	*

Size(HxWxD): 180mm x 82mm x 57mm

Weight: 255g

Accessories:

Test leads, 9V battery, Temperature Probe (9663/9664), carrying case and gift box.



# Meterbox-iMM Software for DT-9969 DMM

## Amazing features and built-in apps.

The Meterbox-iMM software can support our DMM product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart.

They can also has powerful cloud functions such as computing and storage service.



More Applications...



## icloud storage

The software guarantees that your measuring data is safe. At the same time, the user can manage, share and protect the data.



Worldwide Patent:  
PCT/CN2012/082191

Made for  
iPod iPhone iPad

9969 is a Professional digital multimeter which provides safer measurements with double molded plastic housing design and IP67 waterproof function. 9969 performance as True RMS AC/DC voltage and current measurement, 50000 counts resolution and a 0.06% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlight ensures that readings are easy to read under all circumstances.

All inputs are protected by EN 61010-1 CATIV 600V/ CATIII 1000V.

### Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



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EN: 61010-1  
EN: 61010-02-031



- PC Calibration
- 50,000 counts

- IP67 dust and water proof
- True RMS

### Features

- 50,000 counts high resolution (0.001mV, 0.01μA, 0.01Ω)
- True RMS measurement
- 1000V input protection on all ranges
- Data Hold/MAX/MIN recording mode
- Auto Power Off & Backlit LCD display
- Peak capture mode
- Wide capacitance range
- Bluetooth data transmission
- Meterbox iMM & cloud service

### Specifications

Function	Max. Range	Basic Accuracy
Voltage DC	1000 V	±0.06%
Voltage AC	1000V	±1.0%
Current DC	10A	±1.0%
Current AC	10A	±1.5%
Resistance	50MΩ	±0.3%
Duty Cycle	99.9%	±1.2%
Frequency	10MHz	±0.1%
Capacitance	50mF	±3.5%
Temperature	1200°C/2192°F	±1.0%
Diode Check		
Continuity Test		

Size(HxWxD): 182mm x 82mm x 55mm

Weight: 360g

### Accessories:

- Test leads, 9V battery,
- Type K temperature probe, software and gift box with carrying case.



Model 9969





EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031

Model 9967T



Model 9967



True RMS (9967T)

IP67 dust and water proof



9967/9967T series are the new 6600 counts multimeters. They are a combination of precision, easy-to-use, safety and reliability.  
9967T has True RMS AC Voltage, Current readings, MAX-MIN recording, as well as Frequency and Capacitance readings.

**Safety Conformance**

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges

**Features**

	9967	9967T
6600 Counts dual digital display	*	*
True RMS measurement		*
Safety design	*	*
Relative zero	*	*
Data Hold	*	*
MAX/MIN recording mode	*	*
Auto Power Off	*	*
Wide capacitance range	60mF	60mF
Analog bargraph/segment	*/60	*/60
NCV Function	*	*

**Specifications**

Function	Max. Range	Basic Accuracy	9967	9967T
Voltage DC	1000 V	±0.5%	*	*
Voltage AC	1000V	±0.8%	*	*
Current DC	10A	±1.2%	*	*
Current AC	10A	±1.8%	*	*
Resistance	60MΩ	±0.8%	*	*
Duty Cycle	99.9%	±1.2%	*	*
Frequency	10MHz	±1.5%	*	*
Capacitance	100μF/60mF	±3.0%	*	*
Temperature	760°C/1400°F	±3.0%	*	*
Diode Check			*	*
Continuity Test			*	*

Size(HxWxD): 170mm x 79mm x 50mm

Weight: 366g

**Accessories:**

Test leads, 9V battery.

Type K temperature probe and gift box.



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



IP67 dust and water proof

True RMS (9961W/9962T/9963T)

Model 9960



Model 9961W



9960, 9961, 9961W, 9962 and 9962T series are the new 4000 counts multimeters. 9963/9963T are 6000 counts multimeters. They are a combination of precision, easy-to-use, safety and reliability.

9962T /9963T have True RMS AC Voltage, Current readings, MAX-MIN recording, Peak recording, as well as Frequency and Capacitance readings.  
9961W has wireless USB interface.

**Safety Conformance**

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges

**Features**

	9960	9961/9961W	9962/9962T	9963/9963T
Digital display counts	4000	4000	4000	6000
True RMS measurement		9961W	9962T	9963T
Safety design	*	*	*	*
Relative zero	*	*	*	*
Data Hold	*	*	*	*
MAX/MIN recording mode			*	*
Auto Power Off	*	*	*	*
Peak capture mode			*	
Wide capacitance range			40mF	1000uF
Analog bargraph/segment			*/42	*/61
NCV Function	*	*	*	*

**Specifications**

Function	Max. Range	Basic Accuracy	9960	9961/9961W	9962/9962T	9963/9963T
Voltage DC	1000 V	±0.5%	*	*	*	*
Voltage AC	1000V	±0.8%	*	*	*	*
Current DC	10A	±1.2%	*	*	*	*
Current AC	10A	±1.8%	*	*	*	*
Resistance	40MΩ	±0.8%	*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*
Frequency	10MHz	±1.5%	*	*	*	*
Capacitance	100μF/40mF	±3.0%	100μF	100μF	40mF	1000μF
Temperature	760°C/1400°F	±3.0%	*	*	*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

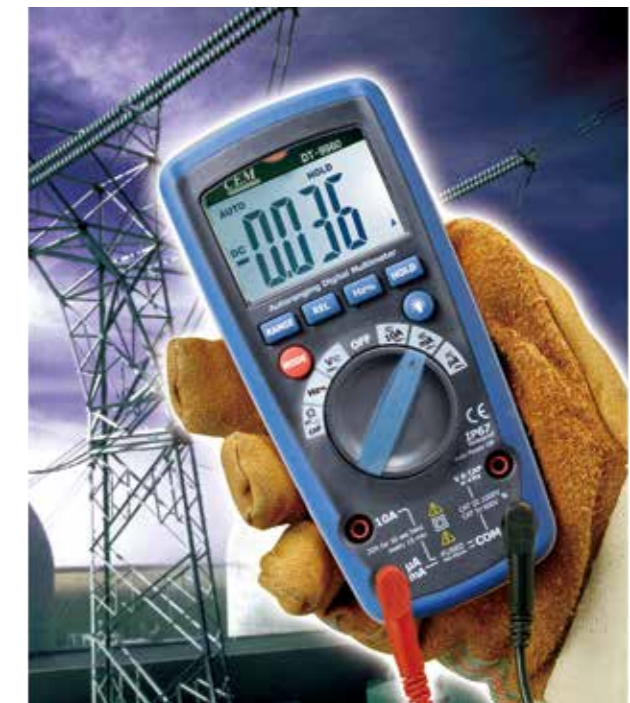
Size(HxWxD): 170mm x 79mm x 50mm

Weight: 366g

**Accessories:**

Test leads, 9V battery.

Type K temperature probe (9961/9961W/9962/9962T/9963/9963T) and gift box.



True RMS Compact Digital Multimeters



960 Series Category III rating ensure the highest level of protection against sudden transient overvoltage and arcing flash-over with advanced DMM features and True RMS accuracy. This rugged, IP65 waterproof and 2m drop-proof multimeter will take whatever rough handling you dish out.

Features

- AC True RMS measurements
- IP65 Water proof & 2m drop-proof
- Heavy duty & compact size
- CATIV 600V/ CATIII 1000V



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



960/961/962/963/964 Series are True RMS compact digital multimeters with double molded plastic housing and oversized high contrast 4000/6000 counts LCD display. They're all CAT III rated for 600V.

- True RMS
- 4000/6000 counts LCD display

- Double molded plastic housing
- Built-in Non-Contact AC Voltage Detector (961/963/964)

Safety Conformance

- EN61010-1 CATIII 600V
- Double molded plastic housing
- Full ranges protection



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



Model 960



Model 961



Model 962

Features

	960	961	962	963	964
Digital display counts	4000	4000	6000	6000	6000
True RMS measurements	*	*	*	*	*
Safety design	*	*	*	*	*
Data Hold	*	*	*	*	*
MAX/MIN recording mode	*	*	*	*	*
Auto Ranging	*	*	*	*	*
Auto Power Off	*	*	*	*	*
Non-Contact ACV detection		*		*	*
LoZ: low input impedance to prevent ghost voltage					*

Specifications

Function	Max Range	Basic Accuracy	960	961	962	963	964
Voltage DC	1000V	±0.5%	*	*	*	*	*
Voltage AC	1000V	±0.8%	*	*	*	*	*
Current DC	10A	±1.2%	*	*	*	*	*
Current AC	10A	±1.8%	*	*	*	*	*
Resistance	60MΩ	±0.8%	*	*	*	*	*
Capacitance	1000μF	±3.0%	*	*	*	*	*
Frequency	100kHz	±1.5%	*	*	*	*	*
Temperature	760°C/1400°F	±3.0%	*	*	*	*	*
Duty Cycle	9.99%	±1.2%	*	*	*	*	*
Diode Check			*	*	*	*	*
Continuity Test			*	*	*	*	*

Size(HxWxD): 135mm x 70mm x 45mm

Weight: 255g

Accessories:

Test leads, 9V battery, type K temperature probe (961/963/964) and gift box with carrying case.



940 Series are new compact multimeters with double molded plastic housing and over sized high contrast 4000 counts LCD display. They are all CAT III rated for 1000V.

0.5% basic DCV accuracy



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031

- Double molded plastic housing
- 1000V input protection on all ranges



Model 940



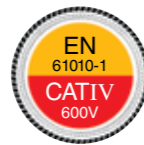
Model 941

Features	940	941
Digital display counts	4000	4000
Safety design	*	*
Data Hold	*	*
Auto Ranging	*	*
Auto Power Off	*	*
1000V input protection on all ranges	*	*
Type K temperature input		*

Specifications	Max Range	Basic Accuracy	940	941
Voltage DC	600V	±0.5%	*	*
Voltage AC	600V	±1.2%	*	*
Current DC	10A	±2.5%	*	*
Current AC	10A	±3.0%	*	*
Resistance	40MΩ	±0.8%	*	*
Capacitance	100μF	±3.0%	*	*
Frequency	10MHz	±1.5%	*	*
Temperature	760°C/1400°F	±3.0%	*	*
Duty Cycle	9.99%	±1.2%	*	*
Diode Check			*	*
Continuity Test			*	*

Size(HxWxD): 150mm x 70mm x 48mm  
Weight: 255g

Accessories:  
Test leads, 9V battery, Temperature Probe (941), carrying case and gift box.



930/931/932/931N/932N Series are compact meters with double molded plastic housing and over sized high contrast 6000 counts LCD display. They're all CAT III rated for 600V.

- True RMS (932/932N)
- 6000 counts LCD display



Model 932N

- Double molded plastic housing
- Built-in Non-Contact AC Voltage Detector (931N/932N)

- Safety Conformance**
- EN61010-1 CATIII 600V, CATII 1000V
  - Double molded plastic housing
  - Full ranges protection



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



Model 932



Model 931

Features	930	931/931N	932/932N
Digital display counts	6000	6000	6000
True RMS measurements			*
Analog bargraph/segments	61-segments	61-segments	61-segments
Safety design	*	*	*
Data Hold	*	*	*
MAX/MIN recording mode	*	*	*
Auto Ranging	*	*	*
Auto Power Off	*	*	*
Adaptor ACA function	*	*	*
Non-Contact ACV detection		931N	932N

Specifications	Max Range	Basic Accuracy	930	931/931N	932/932N
Voltage DC	1000V	±0.5%	*	*	*
Voltage AC	1000V	±0.8%	*	*	*
Current DC	10A	±1.2%	*	*	*
Current AC	10A	±1.8%	*	*	*
Resistance	60MΩ	±0.8%	*	*	*
Capacitance	1000μF	±3.0%	*	*	*
Frequency	10MHz	±1.5%	*	*	*
Temperature	760°C/1400°F	±3.0%	*	*	*
Duty Cycle	9.99%	±1.2%	*	*	*
Diode Check			*	*	*
Continuity Test			*	*	*

Size(HxWxD): 150mm x 70mm x 48mm  
Weight: 255g

Accessories:  
Test leads, 9V battery, type K temperature probe (931/931N/932/932N) and gift box with carrying case.



**DT-936 Smart Digital Multimeter with Automatic Selection**



Model 936

936 is high performance smart digital multimeter with automatic selection DC/ACV, providing wide application in HAVC, factories, schools and at home, etc.

All inputs are protected to EN 610101-1 CATIII 600V/CATII 1000V.

Size(HxWxD): 150mm x 70mm x 48mm  
Weight: 255g

Accessories:  
Test leads, 9V battery, carrying case and gift box.

Features
Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and Diode selection
6000 counts LCD display
Auto/manual ranging
Data Hold/MAX/MIN recording mode
Auto Power Off
Wide capacitance range, diode check & continuity test

Specifications	Max. Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.0%
Resistance	40MΩ	±1.0%
Duty Cycle	99.9%	±1.2%
Frequency	10MHz	±1.0%
Capacitance	40mF	±3.5%



Model 920



920/920L/921/922/920N/921N Series are compact multimeters with double molded plastic housing and over sized high contrast 2000/4000 counts LCD display. They're all CAT III rated for 600V and have auto-ranging function and provide 0.5% basic DCV accuracy.

• 0.5% basic DC accuracy

- Double molded plastic housing
- Built-in Non-Contact AC Voltage Detector (920N/921N)



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



**Safety Conformance**

- EN61010-1 CATIII 600V
- Double molded plastic housing
- Full ranges protection



Model 920N



Model 922

Features	920/920N/920L	921/921N	922
Digital display counts	2000	2000	4000
Safety design	*	*	*
Data Hold	*	*	*
Auto Ranging		*	*
Auto Power Off			*
MAX Hold		*	
Non-Contact ACV detection	920N	921N	
Backlight LCD display	920L		

Specifications	Max Range	Basic Accuracy	920/920N/920L	921/N	922
Voltage DC	600V	±0.5%	*	*	*
Voltage AC	600V	±1.2%	*	*	*
Current DC	10A	±2.5%	*	*	*
Current AC	10A	±3.0%	*	*	*
Resistance	2MΩ	±0.8%	*		
	20MΩ	±0.8%		*	
	40MΩ	±0.8%			*
Capacitance	100μF	±3.0%			*
Frequency	10MHz	±1.5%			*
Temperature	760°C/1400°F	±3.0%		*	*
Duty Cycle	9.99%	±1.2%		*	*
Diode Check			*	*	*
Continuity Test			*	*	*

**Size(HxWxD):** 150mm x 70mm x 48mm

**Weight:** 255g

**Accessories:**

Test leads, 9V battery, type K temperature probe (921/921N/922) and gift box with carrying case.



• Built-in Non-Contact AC Voltage Detector (912N/916N)

- Double molded plastic housing
- Automatic DC/ACV, OHM/DIODE/CAP/Continuity check (919 only)

**Safety Conformance**

- EN61010-1 CATIII 600V
- Double molded plastic housing
- Full ranges protection



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031



Model 912B



Model 912N



Model 916N

Features	912B	912/912N	914	916	916N	918	919
Digital display counts	2000	2000	2000	4000	4000	6000	6000
Safety design	*	*	*	*	*	*	*
Auto Ranging & Data Hold			*	*	*	*	*
Auto Power Off				*	*	*	*
MAX Hold						MAX/MIN	MAX/MIN
Non-Contact ACV detection		912N			*		
Analog bargraph/segments						61-segments	
Display backlight		*	*	*	*	*	*
Data hold		*	*	*	*	*	*
Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and diode selection (919 only)							

Specifications	Max Range	Basic Accuracy	912/912N/912B	914	916	916N	918	919
Voltage DC	600V	±0.5%	*	*	*	*	*	*
Voltage AC	600V	±1.2%	*	*	*	*	*	*
Current DC	10A	±2.5%	*	*	*	*	*	*
Current AC	10A	±3.0%	*	*	*	*	*	*
Resistance	2MΩ	±0.8%	*					
	20MΩ	±0.8%		*				
	40MΩ	±0.8%			*	*	*	*
Capacitance	100μF	±3.0%			*	*	1000μF	40mF
Frequency	10MHz	±1.5%			*	*	*	*
Temperature	760°C/1400°F	±3.0%	912T	*	*	*	*	*
Duty Cycle	9.99%	±1.2%			*	*	*	*
Diode Check			*	*	*	*	*	*
Continuity Test			*	*	*	*	*	*

**Size(HxWxD):** 138mm x 66mm x 38mm

**Weight:** 208g

**Accessories:**

Test leads, 9V battery and type K temperature probe (912T/914/916/916N/918), clamshell.

# CATIV 600V Pocket MultiMeter with NCV Tester

216/218/219 Series CATIV Pocket MultiMeter has the features needed to find most electrical and HVAC problems.

- CAT IV 600V safety rating for industrial applications
- Wide 600V measurement range
- True-RMS for precise measurement of non-linear signals(219)
- Capacitance, resistance, continuity and frequency (218/219)
- Built-in thermometer (219 only)
- Large, easy-to-read display
- Backlight for work in dimly lit areas
- Max to record signal fluctuations
- Display hold function
- Manual and automatic ranging



EMC & LVD  
EN: 61326  
EN: 61010-1  
EN: 61010-02-031



## Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



- Double Molded housing
- CAT IV 600V
- Full range protection

- Non-Contact Voltage Detection
- Flashlight

The three pocket models 216, 218 and 219 are double molded plastic housing and large high contrast 2000/4000 counts LCD display. They are all CAT IV 600V safety designed plus non-contact voltage detection & flashlight. 219 can measure 100A AC/DC current with 0.39" opening jaw .

## Safety Conformance

- EN61010-1 CATIV 600V
- 200mA fused protection (219 only)



EMC & LVD  
EN: 61326  
EN: 61010-1  
EN: 61010-02-031



Model 218

Features	216	218	219
Digital display counts	2000	4000	4000
Safety design	*	*	*
True RMS			*
Auto Ranging	*	*	*
Data Hold	*	*	*
MAX Hold	*	*	*
Auto Power Off	*	*	*
Flashlight	*	*	*
Non-Contact Voltage detection	*	*	*
Pocket size	*	*	*

Specifications	216	218	219
Function	Max Range	Basic Accuracy	216 218 219
Voltage DC	600V	±0.5%	* * *
Voltage AC	600V	±1.2%	* * *
Current DC	100A	±2.5%	* * *
Current AC	100A	±3.0%	* * *
Resistance	20MΩ	±0.8%	* * *
	40MΩ	±0.8%	* * *
Capacitance	100uF	±(3.0%±5d)	* * *
Temperature	760°C/1400°F	±3.0%	* * *
Frequency	100kHz	±(0.8%±5d)	* * *
NCV (VAC: 100V~600V)			* * *
Diode Check			* * *
Continuity Test			* * *

Size(HxWxD): 105mm x 60mm x 38mm

Weight: 145g

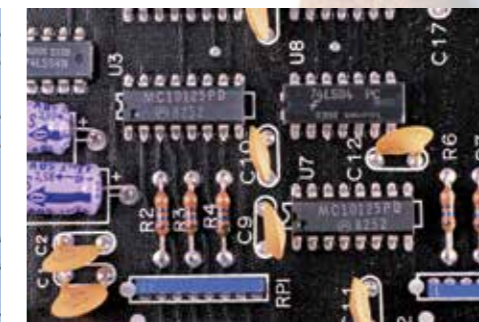
## Accessories:

Test leads, two "AAA" batteries and clamshell.

- 0.39" (10mm) Jaw opening
- 100A AC/DC Current measurement



Model 219





DMP-30/31/32/33 Pocket DMMs

33: 6000 counts, 10 functions including DCV, ACV, DCA, ACA Resistance, Capacitance, Frequency, Duty Cycle, Continuity, diode test with Data Hold, Relative and MAX/MIN functions.

30/32: 4000 counts, 10 functions including DCV, ACV, DCA, ACA Resistance, Capacitance, Frequency, Duty Cycle, Continuity, diode test with Data Hold and Relative functions.

31: 2000 counts, 5 functions with Data Hold, Max Hold and Auto Power Off.

Specifications						
Function	Max Range	Basic Accuracy	30	31	32	33
Voltage DC	600V	±(1.0%±2d)	*	*	*	*
Voltage AC	600V	±(1.5%±5d)	*	*	*	*
Resistance	20MΩ	±(1.0%±2d)		*		
	40MΩ	±(1.0%±2d)	*		*	
	60MΩ	±(1.0%±2d)				*
Capacitance	100μF	±(3.0%±5d)	*		*	
	1000μF	±(3.0%±5d)				*
Frequency	9.999MHz	±(0.8%±5d)	*		*	*
Current DC	200mA	±(1.5%±2d)			*	*
Current AC	200mA	±(2.5%±5d)			*	*
Continuity	Audible threshold < 50Ω		*	*	*	*
Diode test	Test Current 0.6mA		*	*	*	*

• 200mA resetable fuse protection (32/33)



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031

Size(HxWxD): 115mm x 60mm x 16mm  
Weight: 82g

Accessories:  
Test leads, Wallet style case and one CR 2032 button battery.

DT-10/16/16A Pocket Digital Multimeters



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



• 200mA resetable fuse protection (10/16)

10: 4000 counts, 8 functions including DCV, ACV, DCA, ACA, Resistance, Continuity, Diode test with Data Hold, Low impedance and non-contact ACV detection.

16/16A: 6000 counts with Min/Max, Data hold and non-contact ACV detection.

- Non-Contact Voltage detection identifies live circuits
- Large high contrast 4000 counts LCD display with Analog bargraph (10)
- Large high contrast 6000 counts LCD display with Analog bargraph (16/16A)
- Auto Power off
- Relative, and Data Hold
- Built-in storage compartment for integrated test leads
- Over-range and low battery indication

Specifications					
Function	Max Range	Basic Accuracy	10	16	16A
Voltage DC	600V	±(1.3%±2d)	*	*	*
Voltage AC	600V	±(2.3%±5d)	*	*	*
Resistance	40MΩ	±(2.0%±2d)	*	*	*
	60MΩ	±(1.0%±2d)		*	*
Continuity	Audible threshold < 50Ω		*	*	*
Diode test	Test Current 0.6mA		*	*	*
Frequency	9.999MHz	±(0.8%±5d)			*
Current DC	200mA	±(1.5%±2d)	*	*	
	4000μA/6000μA	±(2.5%±5d)	*	*	
Current AC	4000μA/6000μA	±(2.5%±5d)	*	*	
	200mA	±(2.5%±5d)	*	*	

Size(HxWxD): 126mm x 59mm x 32mm

Weight: 124g

Accessories:  
Test leads, Wallet style case and one 1.5V L44 button battery.

Rubber Protection  
Oversized high contrast 4000/6000 counts LCD Display

Built-in Non-Contact Voltage Detector automatically detects a live wire when the red LED is lit



DT-101/102/103/103B/105/107/108 Pocket DMMs

101/102 Series Pocket Digital Multimeters provide multifunction.

Features

	103B	101/103	102/105	107	108
2000 Counts digital display	*	*	*	*	*
Safety design CAT II 600V	*	*/	*/	*	*
Double molded housing	*	*/	*/	*	*
Non-contact ACV detection		*/	*/	*	*
Data Hold		*/	*/	*	*
Auto Ranging				*	*
Auto Power Off				*	*
Type K temperature input					*

Specifications

Function	Max Range	Basic Accuracy	101/103/103B	102/105	107	108
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.8%	*	*	*	*
Current DC	200mA	±1.0%	*	*	*	*
Resistance	2MΩ	±0.8%	*	*	20MΩ	20MΩ
Temperature	760°C/1400°F	±3.0%				*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 101/102: 100mm x 48mm x 26mm

103/105/107/108: 108mm x 53mm x 32mm

Weight: 102g

Accessories:  
Clamshell, Test leads and 12V battery.

• Double molded housing



Model 103B



Model 103



Model 107



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



DT-111/112/113 Pocket DMMs

111/113: 4000 counts, 10 functions including DCV, ACV, DCA, ACA Resistance, Capacitance, Frequency, Duty Cycle, Continuity and diode test with Data Hold and Relative functions.

112: 2000 counts, 5 functions with Data Hold, Max Hold and Auto Power Off.

Specifications

Function	Max Range	Basic Accuracy	111	112	113
Voltage DC	500V	±(1.3%±2d)	*	*	*
Voltage AC	500V	±(2.3%±5d)	*	*	*
Resistance	20MΩ	±(2.0%±2d)		*	*
	40MΩ	±(1.0%±2d)	*	*	*
Continuity	Audible threshold < 50Ω		*	*	*
Diode test	Test Current 0.6mA		*	*	*
Capacitance	200μF	±(3.0%±5d)	*	*	*
Frequency	9.999MHz	±(0.8%±5d)	*	*	*
Current DC	400mA	±(1.5%±2d)		*	*
Current AC	400mA	±(2.5%±5d)		*	*

Size(HxWxD): 113mm x 61mm x 13mm

Weight: 90g



Model 111



Model 112



Accessories:  
111/112/113: Test leads, Wallet style case and one CR 2032 button battery.



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



- 7 functions Pen-type Digital Multimeters
- Large 3-3/4 digital LCD display with Bargraph
- Full function indication
- Diode and audible continuity

Model 3280B



Specifications								
Function	Max range	Basic accuracy	3216	3218	3219	3280	3280B	3290
Voltage DC	600V	±0.8%	*	*	*	*	*	*
Voltage AC	600V	±1.2%	*	*	*	*	*	*
Current DC		±1.5%		340mA	400mA	200mA		400mA
Current AC		±2.0%		340mA	400mA	200mA		400mA
Resistance		±3.0%	20MΩ	30MΩ	40MΩ	20MΩ	20MΩ	40MΩ
Non-contact voltage: 50-600V						*	*	*
Continuity: <35Ω								
Diode test: Test voltage max. 3.4V								

**Size(HxWxD):** 220mm x 40mm x 33mm  
**Weight:** 215g

**Accessories:**  
Clamshell and button battery

Model 3218



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



**DT-3260 Smart Pen-type Digital Multimeter**

3260 is ideal for electrical trouble shooting, which can check components (resistance, capacitance, diode and continuity) and circuit fault.

All inputs are protected to EN 61010-1 CATIII 600V.

**Safety Conformance**

- EN61010-1 CAT III 600V, CAT II 1000V
- Full ranges protection

**Features**

- Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and diode selection
- 6000 counts LCD display
- Auto/manual ranging
- Data Hold/MAX/MIN recording mode
- Auto Power Off
- Wide capacitance range
- Diode Check & Continuity Test

**Specifications**

Function	Max. Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.0%
Current DC	400mA	±1.0%
Current AC	400mA	±1.5%
Resistance	40MΩ	±1.0%
Capacitance	40mF	±3.5%



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



Model 3260

**Size(HxWxD):** 230mm x 35mm x 20mm

**Weight:** 200g

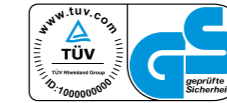
**Accessories:**  
Clamshell and button battery



The four pocket models 116, 118, 118B and 119 are double molded plastic housing and large high contrast 2000/4000 counts LCD display. They are all CAT IV 600V safety designed plus non-contact voltage detection & flashlight.

**Safety Conformance**

- EN61010-1 CATIII 1000V
- 200mA fused protection (118/118B)



**Features**

	116	118	118B	119
Digital display counts	2000	2000	4000	2000
Safety design & Pocket size	*	*	*	*
Auto Ranging & Auto Power Off	*	*	*	*
Data Hold	*	*	*	*
Flashlight	*	*	*	*
Non-Contact Voltage detection	*	*	*	*

**Specifications**

Function	Max Range	Basic Accuracy	116	118	118B	119
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.2%	*	*	*	*
Current DC	200mA	±2.0%		*	*	
Current AC	200mA	±2.5%		*	*	
Resistance	2MΩ	±0.8%	*			
	20MΩ	±0.8%		*	40MΩ	*
Capacitance	100uF	±(3.0%±5d)			*	
Frequency	100kHz	±(0.8%±5d)			*	
NCV (VAC: 100V-600V)			*	*	*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

**Size(HxWxD):** 120mm x 55mm x 40mm

**Weight:** 145g

**Accessories:**

Test leads, two "AAA" batteries and clamshell.

**SMD-100 Smart Electronic Components Tester**

SMD-100 has a changeable head for automatic scan check DC/AC Voltage, components (resistance, capacitance, diode and continuity) and circuit fault.

All inputs are protected according to EN 61010-1 CATIII 600V.

**Features**

- Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and diode selection
- 6000 counts LCD display
- Auto scan DC/AC Voltage, resistance, capacitance, diode and continuity
- Data Hold/MAX/MIN recording mode
- Auto Power Off
- Wide capacitance range
- Diode Check & Continuity Test

**Specifications**

Function	Range	Basic Accuracy
Voltage DC	600mV/6V/60V/600V	±0.8%
Voltage AC	600mV/6V/60V/600V	±1.0%
Resistance (Ω)	600/60k/60k/600k/6M/60M	±1.0%
Capacitance (F)	6n/60n/600n/6μ/60μ/600μ/6m/60m	±3.5%
Diode check	Open voltage 2.8Vdc, test current 1mA.	
Continuity test	Threshold 35 Ω	

**Size(HxWxD):** 184mm x 37mm x 23mm

**Weight:** 76g

**Accessories:**

Two LR44(1.5V) button batteries and clamshell

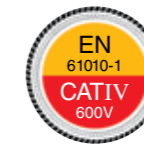


EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



- Non-Contact Voltage Detection
- Flashlight

- Double Molded housing
- CAT IV 600V
- Full range protection



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



Model 118B



The intelligent semiconductor Component analyzer offers great features together with refreshing simplicity.

CE  
EMC  
EN: 61326



**Features**

- Automatic component type identification
- Automatic pinout identification, just connect any way round.
- Special feature identification such as diode protection and resistor shunts.
- Gain measurement for bipolar transistors.
- Leakage current measurement for bipolar transistors.
- Silicon and Germanium detection for bipolar transistors.
- Gate threshold measurement for Enhancement Mode MOSFETs.
- Semiconductor forward voltage measurement for diodes, LEDs and transistor Base-Emitter junctions.
- Automatic and manual power-off.

**Size(HxWxD):** 102mm x 56mm x 24mm  
**Weight:** 91g  
**Accessories:**  
Two "AAA" batteries and clamshell

**DT-925 Voltage & Current Calibrator / DMM with Voltage & Current Calibrator**

925 Voltage/Current calibrator is a portable instrument for calibrating process devices and measuring process signals. It brings you into the field of precision measurement.

- Adjustable 0-24mA current source.
- Adjustable -199.9mV to +199.9mV DCA source.
- Current calibrator drives loads up to 500 ohms.
- The instrument measures a two-wire current loop.

Model 925

CE  
EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



**Specifications ( standard source)**

Function	Range	Display Resolution	Accuracy
Current source	0-19.99mA	0.01mA	±(0.25%FS+1d)
	0-24mA	0.1mA	±(0.5%FS+1d)
DC mV source	-199.9mV to +199.9mV	0.1mV	±(0.25%FS+1d)

**Specifications (measurement)**

Range	0-19.99mA	0.01mA	±(0.25%FS+1d)
	0-24mA	0.1mA	±(0.5%FS+1d)

**Size(HxWxD):** 150mm x 70mm x 48mm  
**Weight:** 236g

**Accessories:**  
Test leads, 9V battery and gift box with carrying case.



9930 is new 11,000 Counts LCR Meter  
9931 is new 11,000 Counts digital multimeter with LCR function

**Features**

	9930	9931
Digital display counts	11,000	11,000
Data Hold & Auto Ranging	*	*
MAX/MIN recording mode	*	*
Auto Power Off	*	*
DMM + LCR		*

**Specifications (Multimeter)**

Function	Max Range	Basic Accuracy	9930	9931
Voltage DC	1000V	±0.5%		*
Voltage AC	1000V	±0.8%		*
Current DC	1.1A	±1.2%		*
Current AC	1.1A	±1.8%		*
Frequency	10MHz	±1.5%		*
Duty Cycle	9.99%	±1.2%		*
Diode Check			*	*
Continuity Test			*	*

**Specifications (LCR)**

Function	Max. Range	Max. Resolution	Basic Accuracy
Resistance	110.00MΩ	0.01Ω	±1.2% of rdg ±5 digits
Capacitance	110.00uF	1pF	±3.0% of rdg ±30 digits
Inductance	20H	1uH	±(2%+5)

**Size(HxWxD):** 182mm x 82mm x 55mm **Weight:** 360g  
**Accessories:** Test leads and 9V battery, gift box with carrying case.

**DT-9935 Professional LCR Meter**

9935 LCR Meter features with an innovative automatic selection technology, automatically measuring L,C and R with Q, D and θ by just turn on the meter. The testing frequency is up to 10kHz and it can output up to 100kHz test frequency. It provides high accuracy with four or five terminal Kelvin measurements.

- Overload Indication
- Lower Battery Indication
- Auto Power Off

**Specifications**

**Inductance**

Ranges	20uH-2000H
Resolution	0.001uH
Basic Accuracy	±(0.2+5d)

**Capacitance**

Ranges	20pF-20mF
Resolution	0.001pF
Basic Accuracy	±(0.2+3d)

**Resistance**

Ranges	20Ω-2000MΩ
Resolution	0.001Ω
Basic Accuracy	±(0.2+2d)

**DC Resistance**

Ranges	20Ω-2000MΩ
Resolution	0.001Ω
Basic Accuracy	±(0.2+2d)

**Q (quality)**

Ranges	0.000-999
Resolution	0.001

**D (dissipation)**

Ranges	0.000-999
Resolution	0.001

**Theta**

Ranges	±90 degree
Resolution	1 degree

- Safety Conformance**
- EN61010-1 CAT IV 600V, CAT III 1000V (9931)
  - Full ranges protection

IP67 dust and water proof

Double molded plastic housing

CE  
EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



Model 9930

Model 9931



Model 9935

Double molded plastic housing



CE  
EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031

**Size(HxWxD):** 220mm x 96mm x 60mm  
**Weight:** 360g  
**Accessories:**  
Test leads and 6 x 1.5V "AA" batteries, gift box with carrying case.

991/200 Series Mini Digital Multimeters provide multifunction and lower price. Rugged pocket design is easy and safe to use with protective holster.

**Safety Conformance**

- EN61010-1 CATIII 600V
- Includes protective holster
- 10A fused protection



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



Model 991



Model 204

Specifications								
Function	Max. Range	Basic Accuracy	991/200	992/201	993/202	202T	204	204T
Voltage DC	600V	±(0.8%±2d)	*	*	*	*	*	*
Voltage AC	600V	±(1.2%±10d)	*	*	*	*	*	*
Current DC	10A	±(1.2%±2d)	*	*	*	*	*	*
Current AC	10A	±(1.8%±7d)	*	*/-	*	*	*	*
Resistance	2000Ω	±(0.8%±2d)	*	*	*	*	*	*
	40MΩ	±(0.8%±2d)	*	*	*	*	*	*
Temperature	760°C/1400°F	±(3.0%±3d)	*	*	*	*	*	*
Duty Cycle	0.1%~99.9%	±(1.2%±2d)	*	*	*	*	*	*
Frequency	9.999MHz	±(1.5%±4d)	*	*	*	*	*	*
Capacitance	200uF	±(2.5%±5d)	*	*	*	*	*	*
	40mF	±(2.5%±5d)	*	*	*	*	*	*
Diode Check	Open voltage 2.8Vdc; Test current 1mA		*	*	*	*	*	*
Continuity	Threshold 30Ω		*	*	*	*	*	*
Bat. Test	9V(6mA); 1.5V(100mA)		*	*	*	*	*	*

**991 Series:**

**Size(HxWxD):** 121.5mm x 60.6mm x 40mm  
**Weight:** 150g

**Accessories:**

Test leads, Holster and 9V battery, clamshell.

**200 Series:**

**Size(HxWxD):** 146mm x 66.2mm x 41.5mm  
**Weight:** 200g

**Accessories:**

Test leads, K-type temperature probe (201, 202, 202T, 204, 204T) and 9V battery, gift box.



Model 9932FC



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031

Specifications			
Function	Max Range	Min Resolution	Basic Accuracy
Voltage DC	1000V	0.1mV	±(1.2%±2d)
Voltage AC	750V	0.1mV	±(0.8%±3d)
Current DC	20A	0.1uA	±(1.5%±3d)
Current AC	20A	0.1uA	±(1.8%±5d)
Resistance	40MΩ	0.1Ω	±(1.0%±2d)
Capacitance	100uF	10pF	±(3.5%±5d)
Frequency	9.999MHz	0.001Hz	±(1.2%±3d)
Duty Cycle	99.9%	0.1%	±(1.2%±2d)
Temperature	1000°C/1832°F	0.1°C/°F	±(3%±2°C/°F)
Diode Check	1.5VDC test 0.3mA current		
Continuity Check	Threshold 30Ω, continuity beeper 2.7kHz		

**Size(HxWxD):** 197mm x 88.4mm x 41.2mm

**Weight:** 635g

**Accessories :**

Rubber holster, Test leads, K-type temperature probe, 9V battery, RS-232 PC cable and Software diskette, Gift box with carrying case.



Double molded

Large LCD display

2005B/2008/2009/2006 have double molded plastic housing and oversized high contrast 2000/4000/6000 counts LCD display with backlight.

**Safety Conformance**

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection



EMC & LVD  
EN: 61326  
EN: 61010-1,  
EN: 61010-02-031



Specifications						
Function	Max Range	Basic Accuracy	2005B	2008	2009	2006
Voltage DC	1000V	±(0.5%±2d)	*	*	*	*
Voltage AC	700V	±(1.0%±3d)	*	*	*	*
Current DC	20A	±(1.5%±3d)	*	*	*	*
Current AC	20A	±(2.0%±3d)	*	*	*	*
Resistance	20MΩ	±(1.2%±2d)	*	*	40MΩ	60MΩ
Capacitance	200uF	±(4.0%±3d)	*	*	100uF	6000uF
Frequency	20kHz	±(1.5%±5d)	*	*	9.999MHz	9.999MHz
Temperature	760°C/1400°F	±(3.0%±3d)	*	*	*	*
Diode Check	Open Voltage 2.8V dc		*	*	*	*
Continuity Test	Threshold 30Ω		*	*	*	*

**Size(HxWxD):** 195mm x 92mm x 38mm

**Weight:** 380g

**Accessories :**

Test Leads, Type K temperature probe (2008, 2009 & 2006), 9V battery, gift box and carrying case.

Features			
	9905	9908	9909
Digital display counts	2000	2000	4000
Safety design	*	*	*
Data Hold			*
Backlit LCD Display	*	*	*
Logic test			*

Specifications					
Function	Max. Range	Basic Accuracy	9905	9908	9909
Voltage DC	1000 V	±0.5%	*	*	*
Voltage AC	700V	±1.2%	*	*	*
Current DC	20A	±2.5%	*	*	*
Current AC	20A	±3.0%	*	*	*
Resistance	20MΩ	±0.8%	*	*	400MΩ
Temperature	760°C/1400°F	±3.0%	*	*	*
Frequency	2000Hz	±1.5%	*	*	4000kHz
Capacitance	200uF	±3.0%	*	*	40uF
Diode Check			*	*	*
Continuity test			*	*	*
Logic test			*	*	*

**Size(HxWxD):** 182mm x 82mm x 55mm

**Weight:** 360g

**Accessories:**

Test leads, 9V battery, Type K temperature probe (9908) and gift box with carrying case.



Model 2005B



Model 2008



Model 9905



Model 9908



# 6 in 1 Digital Multimeter with Environment Measurement

- 61 is 6 in 1 multifunction multimeter, including DMM, sound level meter, light meter, humidity meter, temperature meter and Non-contact AC voltage detector
- Safety design meets CAT III 1000V and CAT IV 600V
- Infrared Probe for Non-contact Temperature measurement (Optional IR-82)
- Double Molded Housing
- 4000 Counts digital LCD display with backlight
- Auto ranging
- Data Hold and Relative function
- Auto Power Off

## Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



## DT-21 5 in 1 Digital Multimeter with Environment Measurement

21 digital Multifunction Environment Meter have been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter, Temperature Meter and digital multimeter. They are ideal Multifunction Environment Instruments with scores of practical applications for professional and home use.



Model 21



EMC & LVD  
EN: 61326

EN: 61010-1, EN: 61010-02-031



## Applications

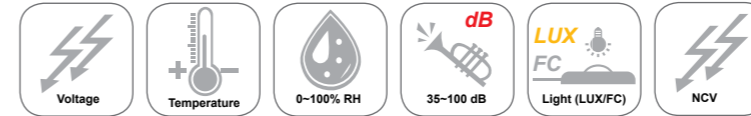
- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage

## Specifications

Function	Max Range	Resolution	Basic Accuracy
Light	20,000Lux	0.1Lux	±0.5%±10d
Sound	100dB	0.1dB	±3.5dB
Humidity	95%RH	0.1%RH	±5%RH
Temperature	1300°C	0.1°C	±3%±1d
Voltage DC	600V	0.1mV	±0.5%±2d
Voltage AC	600V	100mV	±1.2%±10d
Current DC	10A	0.1uA	±1.0%±2d
Resistance	2MΩ	0.1Ω	±0.8%±2d

Size(HxWxD): 121mm x 60.6mm x 40mm  
Weight: 280g

Accessories :  
Rubber holster, 9V battery, Test leads and K-Type temperature probe.



The model 61 is 6 in 1 Digital Multimeter with Environment Measurement. It has been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter, Temperature Meter & Non-contact AC voltage detector.

The model 51 is without temperature (°F) range. They are ideal Multifunction Environment & DMM Instruments with scores of practical applications for professional and home use.

The Sound Level function can be used to measure noise in factories, schools, offices and home, etc, checking acoustics of studios, auditoriums and hi-fi installations.

The Light function is used to measure illuminance in the field. It is fully cosine corrected for the angular incidence of light. The light sensitive component used in the meter is a very stable, long life silicon diode. The Humidity/Temperature uses a humidity/semiconductor sensor and K type thermocouple.

The DMM function include ACV, DCV, ACA, DCA Resistance, Capacitance, Frequency, Duty Cycle, Diode, Continuity test and Non-contact AC voltage detector.



EMC & LVD  
EN: 61326

EN: 61010-1, EN: 61010-02-031



## Specifications

Function	Max Range	Max. Resolution	Basic Accuracy
Light	20,000 Lux	0.1 Lux	±5%±10d
	40,000 Lux		
Sound	100dB	0.1dB	±3.5dB
Humidity	95%RH	0.1%RH	±3.5%RH
Temperature	-20 ~ 750 °C	0.1° up to 400°, 1° over 400°	±3%±3°C
	-4 ~ 1400°F	0.1° up to 400°, 1° over 400°	±3%±5°F
NCV	50-1000V		
Voltage DC	600V	0.1mV	±0.5%±2d
Voltage AC	600V	0.1mV	±1.2%±10d
Current DC	10A	0.1uA	±1.0%±2d
Current AC	10A	0.1uA	±1.0%±2d
Resistance	40MΩ	0.1Ω	±0.8%±2d
Capacitance	100uF	0.01nF	±3.5%
Frequency	10MHz	0.001Hz	±1.5%
Duty Cycle	99.9%	0.1%	±1.2%
Diode Check	Open voltage 2.8VDC; Test current 1mA		
Continuity Test	Threshold 30Ω		

Size(HxWxD): 170mm x 79mm x 50mm  
Weight: 342g

Accessories:  
9V battery, Test leads and K-Type temperature probe.  
Infrared Temperature Probe (Option IR-82)

Model 51



Model 61



# Professional True RMS Industrial Multimeter / Oscilloscope with Android Platform

## Features

- 10MHz oscilloscope
- 50,000 count, 0.025% accuracy
- Fast response, 20 times/sec
- 100kHz AC bandwidth
- Fully PC Calibration
- Bluetooth interface
- Android Platform for multifunctions
- IP67 dust and waterproof
- CATIII 1000V/CATIV 600V



Worldwide Patent



EMC & LVD  
EN: 61326  
EN: 61010-1, EN: 61010-02-031

9998 Professional True RMS Industrial Digital Multimeter with oscilloscope functions and TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. Android Platform permits smart multifunctions such as updating software on line, PC calibration etc.

Meterbox iMM software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

- TFT color LCD display
- 50000 counts
- PC Calibration
- Android Platform

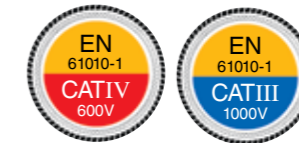
### Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

- IP67 dust and water proof
- True RMS

### Features

- Large 50,000 count 320 x 240 TFT color LCD display
- 20MHz/50MS/s bandwidth/Real time sample rate
- Logging function with Trend Capture for easy review of logged data
- Bluetooth PC interface for easy data transfer & accuracy calibration
- 100kHz bandwidth (voltage/current)
- AC, AC+DC true-RMS measurements
- 0.025% DCV accuracy with Fully PC Calibration
- Saves measurements, records events and trends
- 20 Times/sec. A/D convert fast sampling time
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Moto winding and low ohm (50Ω) measurement range
- Low pass filter
- IP Rating 67 & CATIII 1000V/CATIV 600V
- Bluetooth interface to smartphone / PC.
- Meterbox iMM & cloud service
- Android Platform permits smart multifunctions such as updating software on line, PC calibration etc



Model 9998

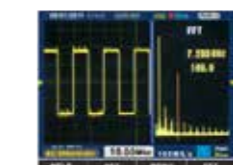
### Specifications

Oscilloscope Functions			
Display Size	3.5" color LCD; 320 x 240 pixels		
Bandwidth	20MHz		
Real time sample rate	50MS/s		
Risetime	10ns		
Channels	1		
Vertical Sensitivity	50mV/div to 200V/div		
Vertical Resolution	8 bits		
Trigger Mode	Free Run, falling edge, rising edge		
Trigger Source	Internal		
Trigger Coupling	AC/DC		
Input impedance	1MΩ/15pF		
Max Input Volatage	1000Vp-p		
Cursor Measurement	Voltage and time/ Frequency		
True RMS Multimeter Functions			
Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1µV	±(0.025% + 5)
Voltage AC	1000V	1µV	±(0.4% + 40)
Current DC	10A	0.01µA	±(0.15% + 2)
Current AC	10A	0.01µA	±(0.6% + 5)
Temperature	-200°C to 1350°C	0.1°C	±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω	±(0.05% + 2)
Capacitance	10mF	0.001nF	±(1.0% + 5)
Frequency	10MHz	0.01Hz	±(0.005% + 1)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

### Accessories:

Test leads, Li-ion batteries, Type K temperature probe, Bluetooth and Software, gift box with carrying case.



10MHz Oscilloscope Function



Fast response time



Trend Capture function



Multifunction Selectable