

# Pro'sKit®

CE

MT-1232

3-3/4 Autorange Digital Multimeter



## User's Manual

1<sup>st</sup> Edition: 2013

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## General

This product equipped with the LCD display of text height 15mm, is a 3 3/4 digital multimeter which has the merits of clear reading, stable performance and high reliability. It could be used to measure DC voltage, AC voltage, DC current, AC current, resistance, capacity, frequency/duty cycle, diode and make on-and-off test. Meanwhile, it is available for unit symbol display, automatic/manual range switching, automatic power off and alarm function. The multimeter, due to its complete functions, performs with high measurement accuracy and convenient operation, and is ideal for general electrical testing and troubleshooting

## Open-package Inspection

Open the package box and take out the meter, check carefully if the following accessories are missing or damaged. If there is anything missing or damaged, please contact the distributor immediately.

Digital multimeter	1 PC
User's manual	1 copy
Test leads	1 pair
Temperature Probe (K-Thermocouple)	1 PC
Test Socket	1PC


## Safety Note








The design of this meter is in accordance with IEC1010 clause (the safety standard issued by International Electrotechnical Commission). Prior to the operation of the instrument, please read the safety considerations before use.

1. When DC voltage is above 30V, AC voltage above 25V, current above 10mA, AC power line with inductive load or power line during electric fluctuation is measured, please beware of electric shock.
2. Prior to measurement, check if the measurement function switch is at the correct position. Check if the test lead is contacted reliably, connected correctly, and grounded well etc. in order to avoid electric shock.
3. Only if the meter is used with the matched test lead, does it meet the requirement of the safety standard. When the line of the test lead is damaged, it is necessary to replace with another one of the same model or the same electrical specification.
4. Don't use other unconfirmed or disapproved fuses to replace the fuse inside the meter. Only the same model or same

- specification fuse can be replaced. Before the replacement, the test leads must be removed from the measuring point and ensure there is no any signal at the input terminal.
5. Don't use other unconfirmed or disapproved battery to replace the battery inside the meter. Only the same model or same electrical specification battery can be replaced. Before the replacement, the test lead must be removed from the measuring point and ensure there is no any signal at the input terminal.
  6. When the electrical measurement is made, never let your body gets in touch with the ground directly, and don't touch uncovered metal terminal, output port, lead clamp and etc. where earth potential may exist. Dry clothes, rubber shoes, rubber cushion and other insulating material are usually used to keep your body insulated against the ground.
  7. Don't store and use it in the high-temperature, high-humidity, inflammable and strong magnetic field environment.
  8. It may damage to the meter and endanger the operator's safety if the voltage value beyond the permitted ultimate voltage value is measured. The ultimate voltage value permitted for measurement is marked on the instrument panel, and never measure the value exceeding the standard. Don't input the ultimate value out of regulation in order to avoid electric shock and the damage to the meter.
  9. When the test lead is inserted into the current socket, don't measure any voltage for fear that the meter should be damaged and the operator's safety be endangered.
  10. Don't try calibrating or repairing the meter. When necessary, only the qualified professional personnel who have had special training or gained approval can make it.
  11. During measurement, the requirement of measurement

function must be in accordance with LCD display. Please be sure to disconnect the line of the test lead with the measured object first and ensure there is no any input signal. It is forbidden to switch the function/range selection switch during measurement

12. When “” is shown on LCD display, please replace battery immediately to ensure the measurement precision.
13. It is not allowed to insert the test lead into the current terminal to measure voltage!
14. Please don't change the circuits of the meter freely for fear that the meter will be damaged and the safety endangered.
15. Description of Safety Symbols

	Warning!	$V \text{---}$	DCV
	High Voltage! Danger!	$V \sim$	ACV
	Ground	$A \text{---}$	DCA
		$A \sim$	ACA
	Double Insulation		In accordance with the instruction of European Trade Union
	Low Battery		Fuse

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