

**DK serie Voltage/Ampere Meter
User Manual**

Thanks a lot for selecting the product!

Before operating this instrument, please carefully read this manual and fully understand its contents. If have problems, please contact our sales or distributors whom you buy from. This manual is subject to change without prior notice.

Warning

Please do not turn on the power supply until all of the wiring is completed. Otherwise electrical shock, fire or malfunction may result.

Do not wire when the power is on. Do not turn on the power supply when cleaning this instrument. Do not disassemble, repair or modify the instrument. This may cause electrical shock, fire or malfunction

Use this instrument in the scope of its specifications. Otherwise fire or malfunction may result.

Caution

This instrument should be installed in a domestic environment. Otherwise electrical shock, fire or malfunction may result. The operating temperature environment should between 0 (32F) to 50 (122F).

To avoid using this instrument in environment full of dust or caustic gas.

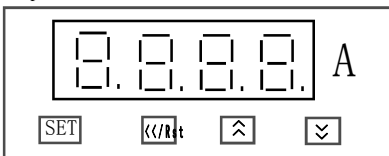
To avoid using this instrument in environment of strong shock or concussion.

To avoid using this instrument in environment of overflow water or explosive oil.

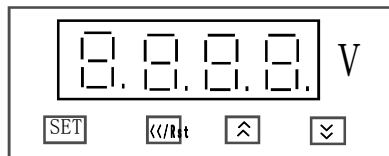
It takes 5s to start output when power on, please take care of it when for control.

Panel

Ampmeter



Voltmeter



SET Select/Confirm key

Shift/Clear /Reset key

Up key

Down key

Model

DK8-DXA, Ampmeter,
Input: +/-75mV.
Voltage: 80-260V AC/DC
Size: 96*48*80mm
Holing: 91+0.5 * 45+0.5

DK8-DV, Voltmeter,
Input:DC 0-500V,
Voltage: 80-260V AC/DC
Size: 96*48*80mm
Holing: 91+0.5 * 45+0.5

Specification

Power supply	80-260V AC/DC AC 50/60Hz
Power consump.	≤ 5VA
Accuracy	0.3%F.S ± 2digit
Sampling	≤ 4times/sec.
Alarm	Relay: NO AC 250V/3A or DC 30V/3A cos =1
Input	Any within range of AC 0-5A,0-600V, indicate when ordering
Analogue	0-10V or 4-20mA, free set for control output range by software
Communication	RS232 or RS485 Modbus RTU

Parameter Setting

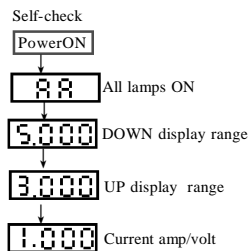
1:Alarm setting: In the displaying estate, press and hold **SET** key for more than 3 seconds, enter alarm mode parameters setting menu. Press **<</RST** key, LED flashes, press **UP / DOWN** key to modify, and then press **SET** key to confirm. Press **SET** key to read the following parameters one by one.

2:The display value = CT * USP.
If it's voltmeter,CT=1.000,USP=Max measurable voltage vaule.
eg. 0-300V voltage range, USP=300.
If it's ammeter,USP is the shunt value.
eg.200A/75mV,USP=200.CT=1.000.

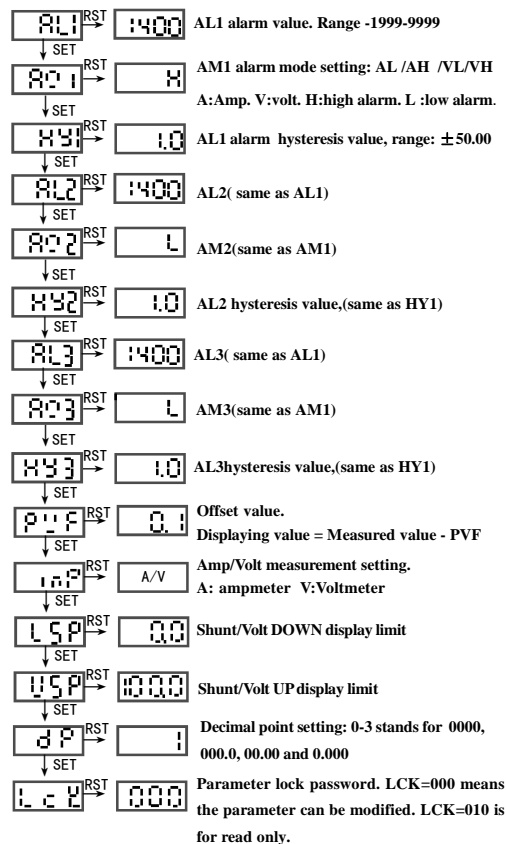
If the display is not correct,please adjust CT.

3: The instrument will return to the measuring estate without any operation for 25 seconds.

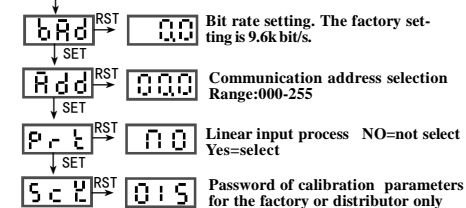
Operation Process



Press **SET** key for more than 3 seconds. can enter/quit from the parameters menu.



Press **Shift/V** key for more than 3 seconds. can enter/quit from the second grade parameters setting



Terminal Configurations

