

3位半数字电压、电流表

3 1/2 Digit Voltage、Ampere Meter



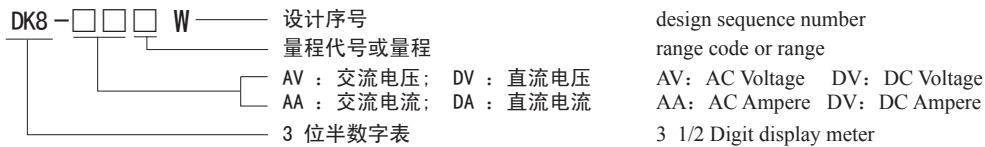
特点:

- ⊙ 采样速度2.5次/秒
- ⊙ 零点调整 (固定小数)
- ⊙ 外型尺寸 48H×96W
- ⊙ 数字范围 ±1999

FEATURES:

- Sampling speed 2.5/s**
- Zero adjustment (Fixed decimal point)**
- DIM 48H×96W**
- Display range ±1999**

一、型号及含义 ORDERING CODE



二、型号及说明 CODE ILLUSTRATION

◆ 交流数字电压表 AC DIGITAL VOLTMETER

型号 Model	量程 Range	分辨率 Resolution	输入电阻 Input Impedance	电压互感器变比 PT	测量精度 Measuring accuracy	最大允许输入 input protection
DK8-AV0.2W	200mV	100uV	5MΩ	直接输入 input directly	±0.5%F.S±2Digit	5V(峰值 Peak)
DK8-AV2W	2V	1mV	5MΩ	直接输入 input directly	±0.5%F.S±2Digit	10V(峰值 Peak)
DK8-AV20W	20V	10mV	5MΩ	直接输入 input directly	±0.5%F.S±2Digit	50V(峰值 Peak)
DK8-AV200W	200V	100mV	5MΩ	直接输入 input directly	±0.5%F.S±2Digit	500V(峰值 Peak)
DK8-AV600W	600V	1V	5MΩ	直接输入 input directly	±1%F.S±2Digit	1000V(峰值 Peak)
DK8-AV3KW	3KV	10V	5MΩ	3KV:100V	±1%F.S±2Digit	
DK8-AV10KW	10KV	10V	5MΩ	10KV:100V	±0.5%F.S±2Digit	

◆ 交流数字电流表 AC DIGITAL AMMETER

型号 Model	量程 Range	分辨率 Resolution	电流互感器变比 CT	测量精度 Measuring accuracy	最大允许输入 input protection
DK8-AA0.2W	200mA	100uA	直接输入 input directly	±0.5%F.S±2Digit	200mA
DK8-AA2W	2A	1mA	直接输入 input directly	±0.5%F.S±2Digit	5A
DK8-AA20W	20A	10mA	20A:5A	±0.5%F.S±2Digit	1.2F.S
DK8-AA50W	50A	100mA	50A:5A	±1%F.S±2Digit	1.2F.S
DK8-AA100W	100A	100mA	100A:5A	±0.5%F.S±2Digit	1.2F.S
DK8-AA150W	150A	100mA	150A:5A	±0.5%F.S±2Digit	1.2F.S
DK8-AA200W	200A	100mA	200A:5A	±0.5%F.S±2Digit	1.2F.S
DK8-AA500W	500A	1A	500A:5A	±1%F.S±2Digit	1.2F.S
DK8-AA1000W	1000A	1A	1000A:5A	±0.5%F.S±2Digit	1.2F.S
DK8-AA1500W	1500A	1A	1500A:5A	±0.5%F.S±2Digit	1.2F.S
DK8-AA2000W	2000A	1A	2000A:5A	±0.5%F.S±2Digit	1.2F.S

◆ 直流数字电流表 DC DIGITAL AMMETER

型号 Model	量程 Range	分辨率 Resolution	电压互感器变比 PT	测量精度 Measuring accuracy	最大允许输入 input protection	内部阻抗 Internal Impedance
DK8-DA0.0002W	200uA	100nA	直接输入 input directly	±0.5%F.S±2Digit	10mA	1KΩ
DK8-DA0.002W	2mA	1uA	直接输入 input directly	±0.5%F.S±2Digit	100mA	100Ω
DK8-DA0.02W	20mA	10uA	直接输入 input directly	±0.5%F.S±2Digit	500mA	10Ω
DK8-DA0.2W	200mA	100uA	直接输入 input directly	±0.5%F.S±2Digit	1A	1Ω
DK8-DA2W	2A	1mA	直接输入 input directly	±0.5%F.S±2Digit	5A	0.1Ω
DK8-DA20W	20A	10mA	20A:75mV	±0.5%F.S±2Digit	1.5F.S	5MΩ
DK8-DA30W	30A	100mA	30A:75mV	±1%F.S±2Digit	1.5F.S	5MΩ
DK8-DA50W	50A	100mA	50A:75mV	±1%F.S±2Digit	1.5F.S	5MΩ
DK8-DA100W	100A	100mA	100A:75mV	±0.5%F.S±2Digit	1.5F.S	5MΩ
DK8-DA150W	150A	100mA	150A:75mV	±0.5%F.S±2Digit	1.5F.S	5MΩ
DK8-DA200W	200A	100mA	200A:75mV	±0.5%F.S±2Digit	1.5F.S	5MΩ
DK8-DA300W	300A	1A	300A:75mV	±1%F.S±2Digit	1.5F.S	5MΩ
DK8-DA500W	1000A	1A	500A:75mV	±1%F.S±2Digit	1.5F.S	5MΩ
DK8-DA1000W	1000A	1A	1000A:75mV	±0.5%F.S±2Digit	1.5F.S	5MΩ
DK8-DA1500W	1500A	1A	1500A:75mV	±0.5%F.S±2Digit	1.5F.S	5MΩ
DK8-DA2000W	2000A	1A	2000A:75mV	±0.5%F.S±2Digit	1.5F.S	5MΩ

◆直流数字电压表 DC DIGITAL VOLTMETER

型号 Model	量程 Range	分辨力 Resolution	输入电阻 Input Impedance	测量精度 Measuring accuracy	最大允许输入 input protection
DK8-DV0.2W	200mV	100uV	5MΩ	±0.5%F.S±2Digit	10V
DK8-DV2W	2V	1mV	5MΩ	±0.5%F.S±2Digit	100V
DK8-DV20W	20V	10mV	5MΩ	±0.5%F.S±2Digit	500V
DK8-DV200W	200V	100mV	5MΩ	±0.5%F.S±2Digit	750V
DK8-DV500W	500V	1V	5MΩ	±1%F.S±2Digit	800V

说明：(1)测量精度测试环境条件为：温度20±2℃ 相对湿度45-75%。

Notes: Ambient temperature of 20±2℃, humidity 45% to 75% R.H, the measuring accuracy can be assured.

(2)表中所列配电流互感器、电压互感器、分流器其型号规格为基本型。其它量程如交流一次额定电流为10A、15A、30A、75A、250A、1500A……，直流一次额定电流为10A、15A、75A、300A、1500A……，交流一次额定电压为1KV、6KV、11KV、35KV、110KV……均可按用户要求供货。

The list of item CT and PT mode is the basic model. other scales for example, the first AC rated ampere is 10A, 15A, 30A, 75A, 250A, 1500A……, the first DC rated ampere is 10A, 15A, 30A, 75A, 300A, 1500A……, the first AC voltage is 1KV, 6KV, 11KV, 35KV, 110KV……, all can suit the demand of customer.

(3)配交流电流互感器其二次额定电流为5A，配交流电压互感器其二次额定电压为100V，配直流电流分流器其二次额定电压为75mV，若二次额定电压为其它数值，用户需予以说明。

With AC CT, the second rated ampere is 5A, AC PT of the second voltage is 100V, DC divider of the second rated voltage is 75mV. Special second rated ampere or voltage, please contact with us.

(4)根据用户要求仪表与电流互感器、电压互感器、分流器可以配套供货。

CT and PT may be equipped according to customers requirements.

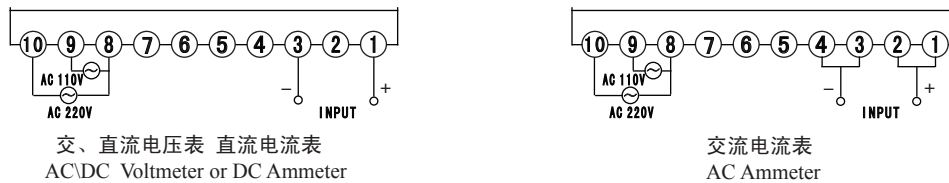
(5)本仪表可以通过内部设置的小数点开关和量程开关可同步调整仪表的使用量程。

The scale of the meter can be adjusted by the inner decimal point switch and the scale switch of the meter.

三、技术参数 SPECIFICATIONS

最大显示 Max. display	1999 (AC 显示有效值 AC Display available scaling function)
输入方式 Input mode	单端输入 Single-end Input
A/D转换 A/D converter	双重积分 Dual slope
频率范围 Frequency range	40~200Hz (仅对交流 Only for AC)
溢出显示 Overflow indication	“1” or “-1”
极性显示 Polarity display	只显示“-” (仅对直流) Only“-”displayed (only DC)
显示 Display	红色数码管 (14.2mmH) Red LED (14.2mmH)
电源 Power supply	AC 110/220V±10%, 50/60Hz
功耗 Power consumption	≤4.5VA
耐压 Insulation strength	AC 1500V 1min
绝缘电阻 Insulation impedance	DC 500V≥100MΩ
重量 Weight	500g

四、端子连接 TERMINAL CONNECTION

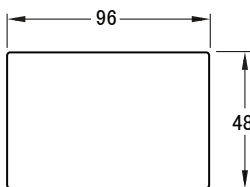


注：接线如有变动，以出厂仪表接线为准。

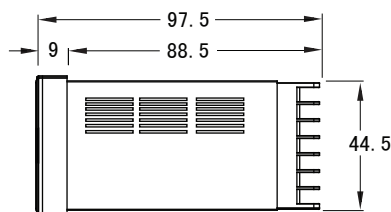
Note: If there is any change, please subject to the connection drawing on the product.

五、外形及表盘加工尺寸 FIGURE AND DIMENSIONS

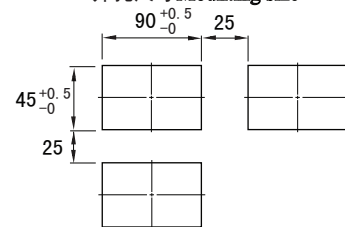
面板尺寸 Panel size



侧面尺寸 Side face size



开孔尺寸 Mounting size



六、使用保存注意事项 CAUTIONS

(1)使用前，仪表需通电预热15分钟。The meter must be heated 15 minutes with the power on before use.

(2)适宜使用环境温度0~40℃，相对湿度85%以下。Use in ambient temperatures of 0℃ to 40℃, humidity less than 85%R.H.

(3)本仪表校准时间间隔为一年。The meter alignment interval time is one year.

(4)注意防止震动和冲击，不要在有超量灰尘和超量有害化学药品和气体等地方使用。Avoid vibrations or shock, excessive dust, corrosive chemical materials or gas.

(5)若输入信号伴随高频干扰，应在线里用高频滤波器。If the input signal is super imposed with high-frequency noise, use a low-passed filter in the input wire.

(6)输入导线不宜过长。如被测信号输出端与仪表距离不能缩短，请用双绞屏蔽线，屏蔽层与信号低端相连。

Input wire should not be too long. If measured signal have to be faraway from the meter, please use 2-core shielded cable, and connect its shield lager to the LO side of the signal soure.

(7)若长期存放未使用时，请每三个月通电一次，通电时间一次不少于4小时。

If the meter won't be used for a long time, please connect power supply every three months, not less than 4 hours each time.

(8)长期保存应避免直射光线，宜存放在-10~70℃，湿度60%以下的地方。切勿和有机溶剂或油物接触。

Long time for storing the meter should be in the shade, with temperature of -10℃ to 70℃, humidity less than 60%. Don't contact with organic solvents or oils.