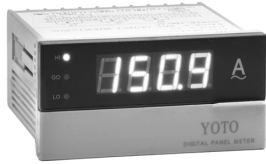


DP3 三位半数字上、下限电压、电流表

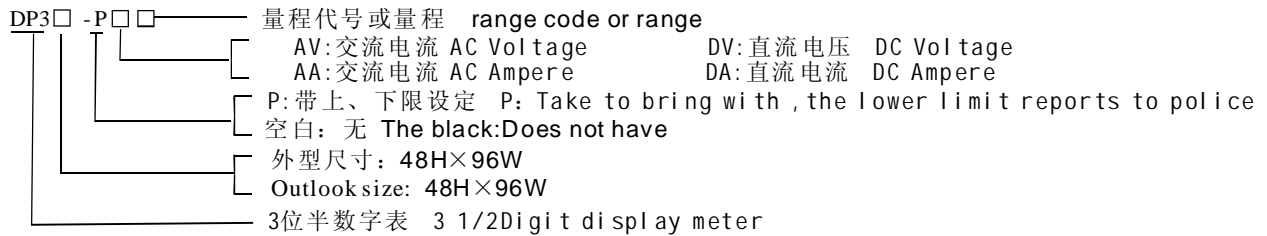
DP3 three half numeral, lower limit voltage, ampere meter



特点: FEATURES

- ◎ 采样速度 2.5次/秒 Sampling speed 2.5/s
- ◎ 显示范围 ±1999 Display range ± 1999
- ◎ 三路报警输出 Three relay output.

一、型号及含义 ORDERING CODE



二、交流数字电压表 AC DIGITAL VOLTMETER

型号及规格 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
DP3-AV2	2V	1mV	5MΩ	直接输入 input directly	±0.5% F.S±2Digit	10V (峰值Peak)
DP3-AV20	20V	10mV	5MΩ	直接输入 input directly	±0.5% F.S±2Digit	50V (峰值Peak)
DP3-AV200	200V	100mV	5MΩ	直接输入 input directly	±0.5% F.S±2Digit	500V (峰值Peak)
DP3-AV600	600V	1V	5MΩ	直接输入 input directly	±1% F.S±2Digit	1000V(峰值Peak)

三、交流数字电流表 AC DIGITAL AMMETER

型号及规格 Model	量程 Range	分辨率 Resolution	电流互感器 CT	测量精度 Measuring accuracy	最大允许输入 Input protection
DP3-AA0.2	200mA	100uA	直接输入 input directly	±0.5% F.S±2Digit	500mA
DP3-AA2	2A	1mA	直接输入 input directly	±0.5% F.S±2Digit	5A
DP3-AA5	5A	10mA	5A	±1% F.S±2Digit	1.2F.S
DP3-AA200	200A	100mA	200A:5A	±0.5% F.S±2Digit	1.2F.S
DP3-AA2000	2000A	1A	2000A:5A	±0.5% F.S±2Digit	1.2F.S

四、直流数字电压表 DC DIGITAL VOLTMETER

型号及规格 Model	量程 Range	分辨率 Resolution	输入电阻 Input Impedance	测量精度 Measuring accuracy	最大允许输入 Input protection
DP3-DV0.2	200mV	100uV	5MΩ	±0.5% F.S±2Digit	10V
DP3-DV2	2V	1mV	5MΩ	±0.5% F.S±2Digit	100V
DP3-DV20	20V	10mV	5MΩ	±0.5% F.S±2Digit	500V
DP3-DV600	600V	100mV	5MΩ	±1% F.S±2Digit	1000V

五、直流数字电流表 DC DIGITAL AMMETER

型号及规格 Model	量程 Range	分辨率 Resolution	分流器变比 DT	测量精度 Measuring accuracy	最大允许输入 Input protection	内部阻抗 Internally impedance
DP3-DA0.0002	200uA	100nA	直接输入 input directly	±0.5% F.S±2Digit	10mA	1kΩ
DP3-DA0.2	200mA	100nA	直接输入 input directly	±0.5% F.S±2Digit	1A	1Ω
DP3-DA2	2A	1mA	直接输入 input directly	±0.5% F.S±2Digit	5A	0.1Ω
DP3-DA20	20A	10mA	20A:75mV	±0.5% F.S±2Digit	1.5F.S	5MΩ
DP3-DA2000	1000A	1A	2000A:75mV	±0.5% F.S±2Digit	1.5F.S	5MΩ

说明 Notes:

- 1、测量精度测试环境条件为: 温度20±2℃ 相对湿度45-75%
Ambient temperature of 20±2℃, humidity to 75%R.H, the measuring accuracy can be assured.
- 2、任意量程的交直流电压、电流表均可按用户要求供货。
All range voltage, Ampere meter, can suit the demand of customer.
- 3、配电流互感器其二次额定电流为5A, 交流电压互感器二次额定电压为100V, 直流电流分流器其二次额定电压为75mV。
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.

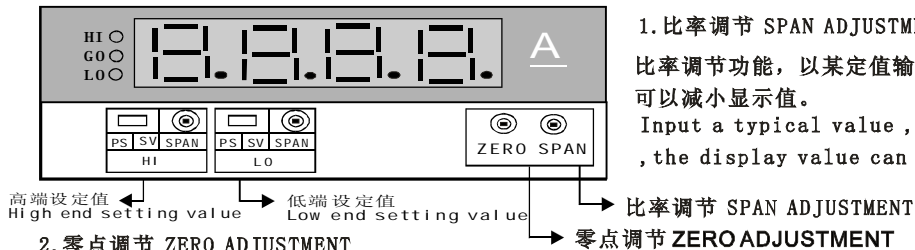
六、技术参数 SPECIFICATLONS

最大显示 Max.display	±1999 (A/D显示平均值 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	40~400Hz (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 Disply	红色数码管 (14.2mmH) Red LED (14.2mmH)
电源 Power supply	AC 220V±10%,50/60Hz
耐压 Insulation strength	AC 1500V 1min
绝缘电阻 Insulation impedance	DC 500V≥100MΩ

七、设定控制显示及调节方法 THE HYPOTHESIS CONTROL DEMONSTRATED AND ADJUSTS THE METHOD

在进行调节时，必须打开前面的活动盖，调节如图：

When carries on the adjustment front,must open the active lid,the adjustment like chart:



1. 比率调节 SPAN ADJUSTMENT

比率调节功能，以某定值输入，顺时针调节可以增大显示值，逆时针调节可以减小显示值。

Input a typical value ,it can be increased,when forward adjust ,the display value can be decreased while reverse adjust.

2. 零点调节 ZERO ADJUSTMENT

零点调节功能，顺时针调节偏负，逆时针调节偏正。

Function, forward adjust is forward biased, reverse adjust is reverse biased.

3. HI 高端设定值 HI high end setting value

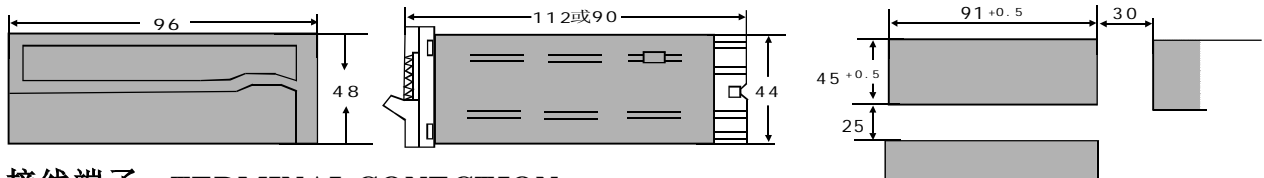
先将两挡开关挡位设定SV位置显示窗口，显示当前的HI高端控制值，用小螺丝刀调节HI/SPAN孔内的电位器进行高端值设定，顺时针调节数值大、逆时针调节数值小，调节完成后两挡开关挡位设定在HI/PS挡位位置，显示窗口显示当前的测量值，这样调节高端值完成。

Two keeps off the switch to keep off first the position establish the SV position,Demonstrated the SPAN hole potentiometer carries on the high end value hypothesis,the clockwise adjustment value big,the anti-clockwise adjustmnt value is small,the adjustment completes latter two keeps off the switch to keep off the position hypothesis in HI/PS keeps off the position position ,demonstrated the window demonstration current observed value,adjusts the high end value to complete like this.

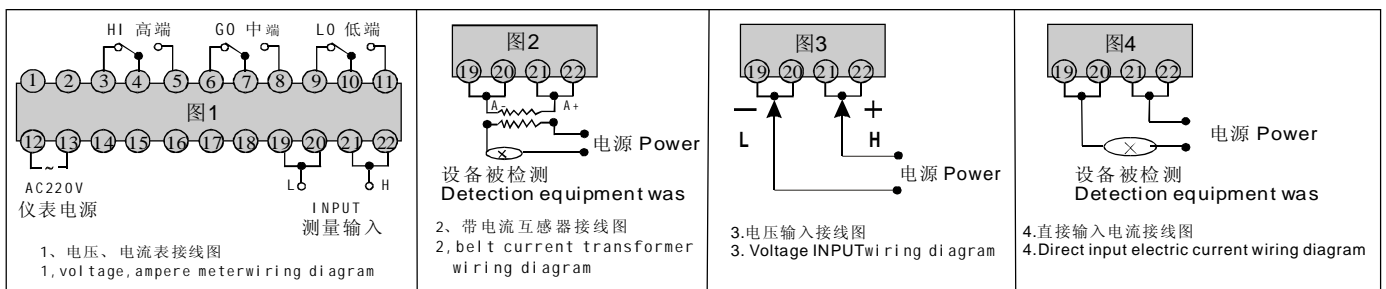
4、L0低端设定值与HI高端设定值方法一样，但L0低端值必须小于HI高端值，否则仪表不能正常工作。

L0 low end setting value and the HI high end setting value method is same,but the L0 low end value must be smaller than the HI high end value,otherwise the measuring appliance cannot the normal work.

八、外形及表盘加工尺寸 SPECIFICATIONS



九、接线端子 TERMINAL CONECTION



仪表若有新的改动，恕不另行通知，请您按仪表外壳上的接线图接线。

Meters if the new changes not otherwise notified, please-meters piece of wiring, wiring.

十、注意事项 CAUTIONS

- 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.
- 适宜使用环境湿0~40°C，相对湿度85%以下。Use in ambient temperatures of 0°C to 40°C, humidity less than85%R.H.
- 本仪表校准时间间隔为一年,保修一年。The meter alignment interval time is one year,
- 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.
- 若输入信号伴随高频干扰，应在线里用高频过滤器。
If the input signal is super imposed with high-frequency noise, use a low-passed filter in the input wire.