

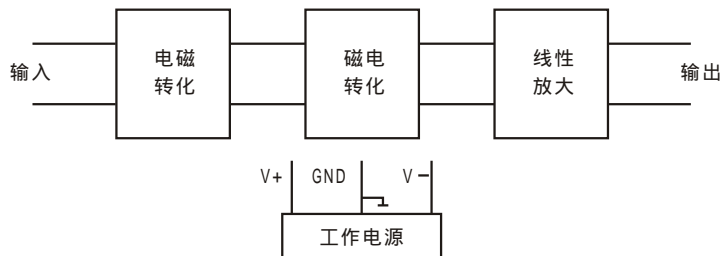


■ 固定型直检式电流传感器

STAID DIRECT - MEASURING CURRENT SENSOR

● 工作原理 OPERATING PRINCIPLE

被检测的电流信号（直流、交流或混合电流）经隔离和电磁感应转化成线性的磁信号，磁信号经磁敏元件转化为线性的电信号，电信号经放大处理，输出一标准的电压信号(4V or 5V)，该输出电压信号与被检测电流信号波形一致。



The objective current (DC, AC or combined current) is transformed a linear magnetic signal by isolation and electric-magnetic effect, the magnetic signal is transformed the linear electric signal by magnetic sensors component and export a standard voltage (4v or 5v) by amplifier operation. The output voltage is in accord with the objective current waveform.

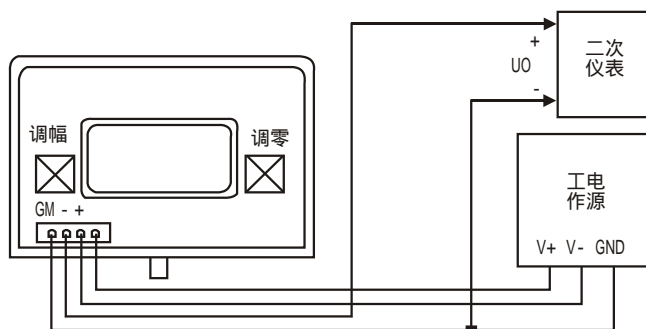
● 主要性能参数 MAIN PARAMETER

型号规格 Model	额定输入电流 Rated input current	电流输出标称值 Output voltage	精度等级 Accuracy	孔径(mm) Hole dimension or diameter	线性度 Linearity	响应时间 Response of time	温度漂移 Temperature offset	输入频响 Response of input frequency	隔离耐压 Isolation voltage withstand
DHY4	0-000A	5V or 4V	1.0%	20	0.5%	15uS	300ppm/	±DC-4KHz	3KVDC
DHY5	0-500A	5V or 4V	1.0%	30	0.5%	15uS	300ppm/	±DC-4KHz	3KVDC
DHF5	0-500A	5V or 4V	1.0%	20×10	0.5%	15uS	300ppm/	±DC-4KHz	3KVDC

● 引脚说明及典型接线 PINS INTRODUCTION AND TYPICAL CONNECTION

- + : (+12V 或+15V 工作电源)
- : (-12V 或-15V 工作电源)
- M : (电压输出端)
- G : (公共接地端)

- +: (+12v or +15v operating power)
- : (-12v or -15v operating power)
- M: (output voltage terminal)
- G: (common ground terminal)



● 应用

- 1、 移动通讯基站机房电源检测和监控系统
- 2、 电力电子系统
- 3、 电化学电镀、整流系统
- 4、 智能电机保护柜、智能开关柜
- 5、 石油勘测仪器设备
- 6、 铁路机车
- 7、 逆变焊机
- 8、 大功率开关电源和逆变电源
- 9、 其它电流检测和监控系统

APPLICATION

1. mobile communication station power detection and monitor system
2. electric and electronic system
3. electrochemistry and rectifier system
4. intelligent box-frame motor and switch box
5. petroleum prospecting apparatus and equipment
6. railroad car
7. inverter welder
8. high power switch power and inverter power
9. other defection and monitor system

• 注意事项 CAUTION

- 1、二次仪表或终端控制电路输入 R_L 阻抗应 $\geq 2K$ 。
- 2、产品接线请严格按照本使用说明书进行，若接线方向插错，将会损坏传感器。
- 3、原边被测电流方向必须与外壳所示箭头方向一致。
- 4、在没有标准电流源的条件下，零点和幅度二个电位器不能随意调节。

- 1.The input resistance of the secondary meter or terminal control circuit must be equal to or greater than 2k
- 2.Please connect the circuit according to product introduction strictly.If connection is error, sensor will be breakdowned
3. The direction of the objective current must be in accord with the direction of the arrow on the case
- 4.The zero and the amplitude trimmer can't be regulated at random without the standard power .

• 订货方式 HOW TO ORDER

