



LH1 Aluminum alloy housing integrator

Product introduction:

LH1 is a Rogowski coil integrator dedicated to medium frequency and power frequency welding machines, which can be combined with various types of Rogowski coils. It is designed for pulse welding current measurement. It can measure the welding current signal. The output voltage is proportional to the pulse current signal. The integrator needs power. The output value is 0—10vdc. It also has the characteristics of direct connection with oscilloscope and sampling system.

Application:

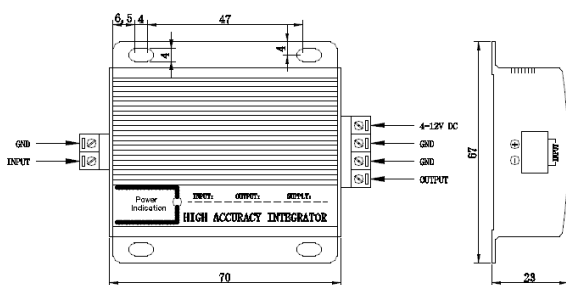
- Measuring device, laboratory instrument
- Pulse welding machine protection
- Welding machine control
- Pulse welding machine current monitor
- Pulse waveform analysis

Advantage:

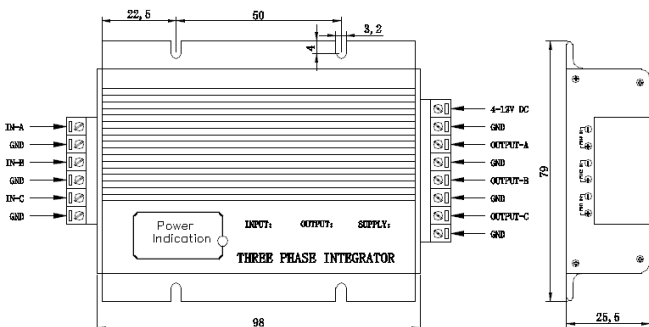
- Accuracy: 2%;
- Wide power supply: 4—12v DC;
- High bandwidth: 50Hz ~ 10kHz;
- Zero drift is as low as 10mV.



Dimension drawing:



Single phase



Three-phase

General parameters:

Project	Data
Rated current	1000A
Rated output	1V DC
Maximum output	1V DC (Overload)
Reading accuracy	1%, 10% to 100%F.S.,@25°C
Phase error	≤ 0.5°
Linearity	± 0.5%(1%~200%)
Bandwidth	50Hz~10kHz(-3dB)
Maximum test time	≤ 100ms(No AC carrier)
DC current pulse	≤ 3s(With AC carrier)
Power waste	300mW
OA output (zero drift)	≤ 2mV
Temperature drift	200ppm/°C
Weight	155g
Power Supply	4—12V DC
Working temperature	-20°C ~ +70°C
Storage temperature	-30°C ~ +90°C
Relative humidity	Max. 80%, non condensing
Degree of protection	IP20