

A-C2 系列开环型可拆卸霍尔电流变送器 A-C2 Series Open Loop Mode Dismountable Hall Effect Current Transmitter

正角电子TM



A-C2系列开环型可拆卸霍尔电流变送器的初、次级之间是绝缘的，用于测量交流和脉冲电流。

A-C2 series dismountable hall effect current Transmitter is an open loop device based on the measuring principle of the hall effect, with a galvanic isolation between primary and secondary circuit. It provides accurate electronic measurement of AC or pulsed currents.



电参数 **Electrical data** (Ta=25℃±5℃)

Type	A-C2-50A	A-C2-100A	A-C2-200A	A-C2-300A	A-C2-400A	A-C2-500A	单位 Unit
额定输入电流(I _{pn} AC) Rated current(I _{pn} AC)	50	100	200	300	400	500	A
测量电流范围(I _p AC) Measure range(I _p AC)	0—100	0—200	0—400	0—600	0—800	0—1000	A
额定输出电压 (V _o DC) Rated output	@I _p =±I _{pn} AC 5±1%						V
电源电压 Supply voltage	±12, ±15						V
功耗电流 Power Consumption	25						mA
失调电压 Offset voltage	@I _p =0		±30				mV
失调电压温漂 Offset drift	@ -40~+85℃		≤±1				mV /℃
输出电压温漂 Output drift	@ -40~+85℃		≤±1				mA /℃
线性度 Linearity	@I _p =0-±I _{pn}		≤1				%FS
响应时间 Response time	≤200						ms
绝缘电压 Galvanic isolation	@ 50HZ,AC,1min		2.5				KV
带宽 Bandwidth	40~20000						HZ

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应用 Applications

- 变频调速系统

Variable speed drives

- 电焊机

Welding machine

- 通讯电源

Battery supplied applications

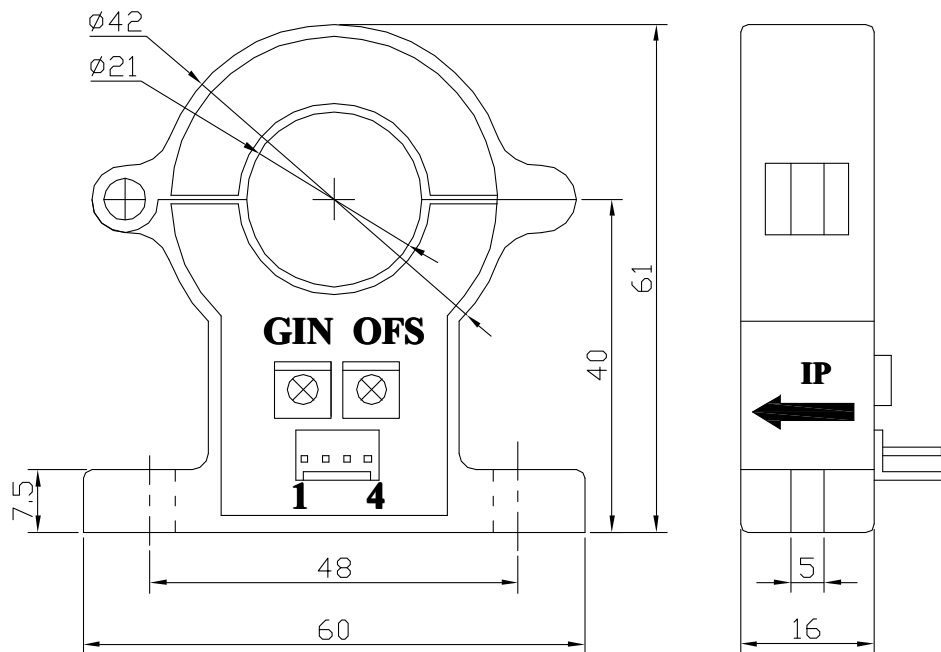
- 不间断电源 UPS

Uninterruptible Power Supplies (UPS)

- 电化学

Electrochemical

结构参数 Mechanical dimension(for reference only)



Remarks:

1. All dimensions are in mm.
2. General tolerance ± 1 mm.
3. Elucidation: 1:+15V 2:-15V 3:V_{OUT} 4:0V

使用说明 Directions for use

1. 当待测电流从变送器穿过，即可在输出端测得电压大小。(注意：错误的接线可能导致变送器损坏)

When the current will be measured goes through a transmitter, the voltage will be measured at the output end. (Note: The false wiring may result in the damage of the transmitter)

2. 变送器的输出幅度可根据用户需要进行适当调节。

Customs can adjust output amplitude of the transmitter by needs.

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3. 可按用户需求定制不同额定输入电流和输出电压的变送器。

Custom design in the different rated input current and the output voltage are available.

执行标准 Standards

- UL94-V0.
- EN60947-1:2004
- IEC60950-1:2001
- EN50178:1998
- SJ 20790-2000

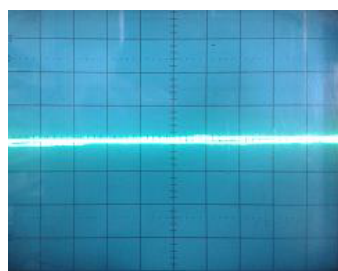
总体参数 General date

	数值 Value	单位Unit
工作温度 (TA) Operating temperature	-40 to +85	℃
储存温度 (TS) Storage temperature	-40 to +125	℃
毛重(约) (M) Mass(approx)	70	g

特性图 Characteristics chart

抗脉冲电压干扰特性

Effects of impulse noise



输出电压
(Output voltage)