

SERIES: LO-SEN-HE

霍尔电流传感器 HALL EFFECT CURRENT TRANSFORMER

产品概述 Product overview

霍尔电流传感器主要适用于交流、直流、脉冲等复杂信号的隔离转换，通过霍尔效应原理使变换后的信号能够直接被 AD、DSP、PLC、二次仪表等各种采集装置直接采集和接受，响应时间快,电流测量范围宽精度高，过载能力强，线性好,抗干扰能力强。

Hall current sensor is mainly suitable for the isolation and conversion of complex signals such as AC, DC, pulse, etc. Based on the Hall effect principle, the converted signal can be directly collected and accepted by various collection devices such as AD, DSP, PLC, secondary instrument, etc. with fast response time, wide current measurement range, high precision, strong overload capacity, good linearity and strong anti-interference ability.

产品特点 Product features

- ✓ 工业级 0.5%精度
- ✓ 六大全面保护功能:输入过载保护、输出过流保护、长时间短路保护、工作电源过压保护、工作电源反接保护、瞬态浪涌电流 TVS 保护
- ✓ 适用发电机、低压配电柜、空调、风机等负载电流的智能监控系统
- ✓ 高可靠性、高稳定性、高性价比
- Industrial class 0.5% accuracy.
- Six comprehensive protection functions: input overload protection, output over-current protection, long-time short circuit protection, over-voltage protection of working power supply, reverse connection protection of working power supply, transient surge current TVs protection
- Intelligent monitoring system for load current of generator, low voltage distribution cabinet, air conditioner, fan, etc. High reliability, high stability and high-cost performance.

应用范围 Scope of application

适用于电流监控及电池应用、逆变电源及太阳能电源管理系统、直流屏及直流马达驱动、电镀、焊接应用、变频器，UPS 伺服控制等系统电流信号采集和反馈控制。

Suitable for current monitoring and battery applications, inverter and solar power management system, DC panel and DC motor drive, electroplating, welding applications, inverter, UPS servo control system current signal acquisition and feedback control.

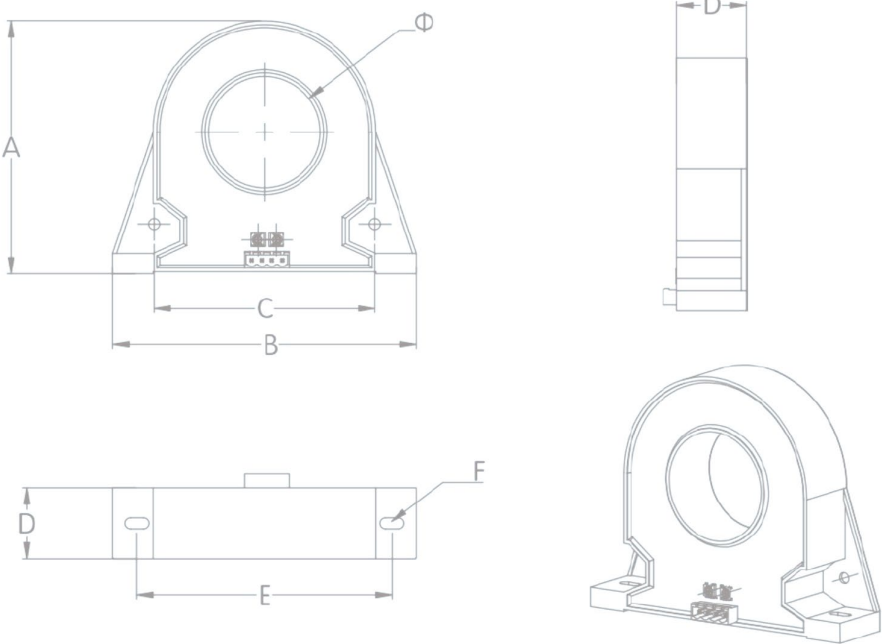
Electrical specifications:

Electrical specifications	
测量范围 Measuring range	0-3000A
精度 Accuracy	0.5%(其他精度可定制)(other precision can be customized)
孔径大小 Hole size	20mm、35mm、45mm、55mm、72mm
输出信号 Output signal	DC4~20mA、DC0~20mA、0~10V、1~10V、0~5V、1~5V、0~1V、0~2V (特殊可定制 Special customizable)
负载能力 Load capacity	电流输出 Current output:5mA，电压输出 Voltage output:6V
响应时间 Responding time	200ms

隔离电压 Hi-pot test	AC3KV/50Hz,1Min
电源 Power supply	±15V、±12V、±24V、+24V、+12V

P/N	INPUT (A)	Output	Accuracy	DIMENSIONS(mm)						
				Φ	A	B	C	D	E	F
LO-SEN-HE12	5-3000A		0.5 1.0	12	44	59.5	40	20.8	50	7XM5
LO-SEN-HE20				20	58	68	50	20	54	7XM5
LO-SEN-HE35				35	89	99.5	75	30	84.5	7XM5
LO-SEN-HE45				45	102	120	87.5	32.5	104.5	12XM5
LO-SEN-HE55				55	125	150	109	35	106	12XM5
LO-SEN-HE72				72	151	174	134.5	42	149	12XM5

Dimensions:



Expanding possibilities
www.ctsensorsducer.com

www.wxliou.com

SERIES: LO-HEFK

矩形开合式霍尔传感器 RECTANGLE OPEN CLOSE HALL CURRENT SENSOR

产品概述 Product overview

矩形开合式霍尔电流传感器主要适用于交流、直流、脉冲等复杂信号的隔离转换，通过霍尔效应原理使变换后的信号能够直接被AD、DSP、PLC、二次仪表等各种采集装置直接采集和接受，响应时间快,电流测量范围宽精度高，过载能力强，线性好,抗干扰能力强。

The rectangle open close hall current sensor is mainly suitable for the isolation and conversion of complex signals such as AC, DC, pulse, etc. Base on the Hall effect principle, the converted signal can be directly collected and accepted by various collection devices such as ad, DSP, PLC, secondary instrument, etc. with fast response time, wide current measurement range, high precision, strong overload capacity, good linearity and strong anti-interference ability.

产品特点 Product features

- ✓ 工业级 0.5%精度
- ✓ 六大全面保护功能:输入过载保护、输出过流保护、长时间短路保护、工作电源过压保护、工作电源反接保护、瞬态浪涌电流 TVS 保护
- ✓ 适用发电机、低压配电柜、空调、风机等负载电流的智能监控系统
- ✓ 高可靠性、高稳定性、高性价比
- Industrial class 0.5% accuracy.
- Six comprehensive protection functions: input overload protection, output over-current protection, long-time short circuit protection, over-voltage protection of working power supply, reverse connection protection of working power supply, transient surge current TVs protection
- Intelligent monitoring system for load current of generator, low voltage distribution cabinet, air conditioner, fan, etc. High reliability, high stability and high-cost performance.

应用范围 Scope of application

适用于电流监控及电池应用、逆变电源及太阳能电源管理系统、直流屏及直流马达驱动、电镀、焊接应用、变频器，UPS 伺服控制等系统电流信号采集和反馈控制。

Suitable for current monitoring and battery applications, inverter and solar power management system, DC panel and DC motor drive, electroplating, welding applications, inverter, UPS servo control system current signal acquisition and feedback control.

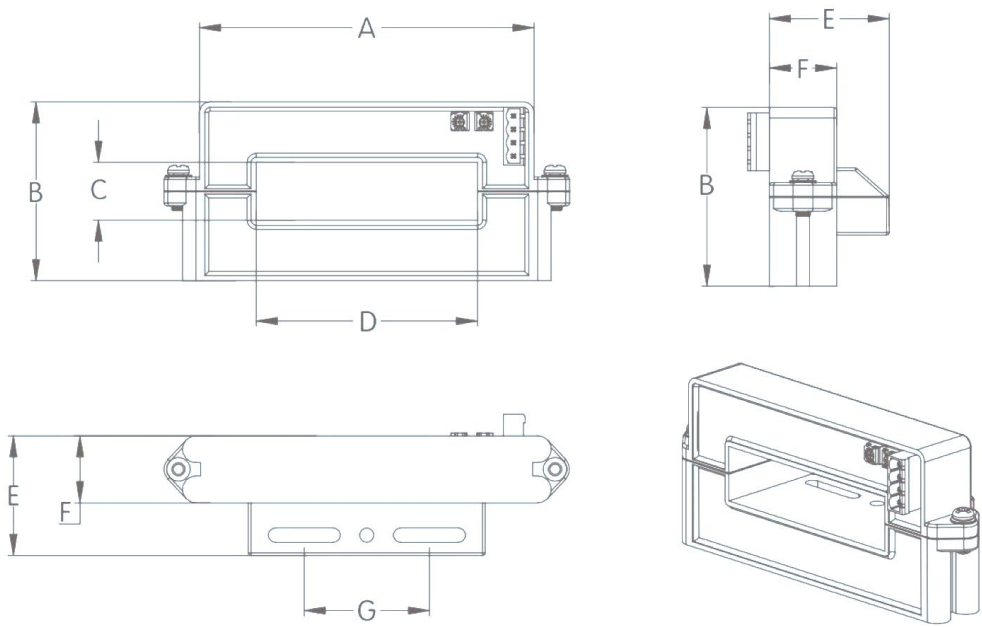
Electrical specifications:

Electrical specifications	
测量范围 Measuring range	0-6000A
精度 Accuracy	0.5%(其他精度可定制)(other precision can be customized)
窗口大小 Window size	64*16.5mm 84*22mm 123*22mm
输出信号 Output signal	DC4~20mA、DC0~20mA、0~10V、1~10V、0~5V、1~5V、0~1V、0~2V (特殊可定制 Special customizable)
负载能力 Load capacity	电流输出 Current output:5mA，电压输出 Voltage output:6V
响应时间 Responding time	200ms

隔离电压 Hi-pot test	AC3KV/50Hz,1Min
电源 Power supply	±15V、±12V、±24V、+24V、+12V

P/N	INPUT (A)	Output	Accuracy	DIMENSIONS(mm)						
				A	B	C	D	E	F	G
LO-HEFK-60	100A 200A	DC4~20mA DC0~20mA 0~10V 1~10V 0~5V 1~5V 0~1V 0~2V	0.5 1.0	102	62.5	16.5	64	44.5	24.5	35
LO-HEFK-80	400A 800A			127	68	22	84	44.5	25.5	47.5
LO-HEFK-120	2000A 4000A 6000A			172	69	22	123	47	28	65.5

Dimensions:



Expanding possibilities
www.ctsensorsducer.com
www.wxliou.com

SERIES: LO-HEYK

圆形开合式霍尔传感器 CIRCULAR OPEN CLOSE HALL CURRENT SENSOR

产品概述 Product overview

圆形开合式霍尔电流传感器主要适用于交流、直流、脉冲等复杂信号的隔离转换，通过霍尔效应原理使变换后的信号能够直接被AD、DSP、PLC、二次仪表等各种采集装置直接采集和接受，响应时间快,电流测量范围宽精度高，过载能力强，线性好,抗干扰能力强。

The circular open close hall current sensor is mainly suitable for the isolation and conversion of complex signals such as AC, DC, pulse, etc. Base on the Hall effect principle, the converted signal can be directly collected and accepted by various collection devices such as ad, DSP, PLC, secondary instrument, etc. with fast response time, wide current measurement range, high precision, strong overload capacity, good linearity and strong anti-interference ability.

产品特点 Product features

- ✓ 工业级 0.5%精度
- ✓ 六大全面保护功能:输入过载保护、输出过流保护、长时间短路保护、工作电源过压保护、工作电源反接保护、瞬态浪涌电流 TVS 保护
- ✓ 适用发电机、低压配电柜、空调、风机等负载电流的智能监控系统
- ✓ 高可靠性、高稳定性、高性价比
- Industrial class 0.5% accuracy.
- Six comprehensive protection functions: input overload protection, output over-current protection, long-time short circuit protection, over-voltage protection of working power supply, reverse connection protection of working power supply, transient surge current TVs protection
- Intelligent monitoring system for load current of generator, low voltage distribution cabinet, air conditioner, fan, etc. High reliability, high stability and high-cost performance.

应用范围 Scope of application

适用于电流监控及电池应用、逆变电源及太阳能电源管理系统、直流屏及直流马达驱动、电镀、焊接应用、变频器，UPS 伺服控制等系统电流信号采集和反馈控制。

Suitable for current monitoring and battery applications, inverter and solar power management system, DC panel and DC motor drive, electroplating, welding applications, inverter, UPS servo control system current signal acquisition and feedback control.

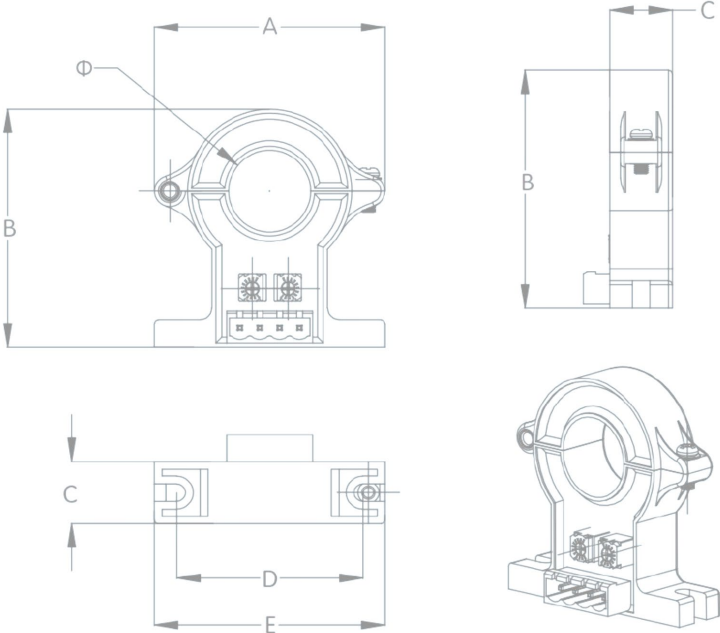
Electrical specifications:

Electrical specifications	
测量范围 Measuring range	0-2000A
精度 Accuracy	0.5%(其他精度可定制)(other precision can be customized)
孔径大小 Hole size	20mm, 35mm, 40mm
输出信号 Output signal	DC4~20mA、DC0~20mA、0~10V、1~10V、0~5V、1~5V、0~1V、0~2V (特殊可定制 Special customizable)
负载能力 Load capacity	电流输出 Current output:5mA，电压输出 Voltage output:6V
响应时间 Responding time	200ms

隔离电压 Hi-pot test	AC3KV/50Hz,1Min
电源 Power supply	±15V、±12V、±24V、+24V、+12V

P/N	INPUT (A)	Output	Accuracy	DIMENSIONS(mm)					
				A	B	C	D	E	Φ
LO-HEYK-20	100A 200A	DC4~20mA DC0~20mA 0~10V 1~10V	0.5 1.0	59	61	16	48	59	21
LO-HEYK-35	400A 800A	0~5V 1~5V 0~1V 0~2V		71	82	16	66	78	35
LO-HEYK-40	1000A 2000A			84	94	18	75	89	40

Dimensions:



Expanding possibilities
www.ctsensorsducer.com
www.wxliou.com