



SHAANXI SHINHOM ENTERPRISE CO.,LTD

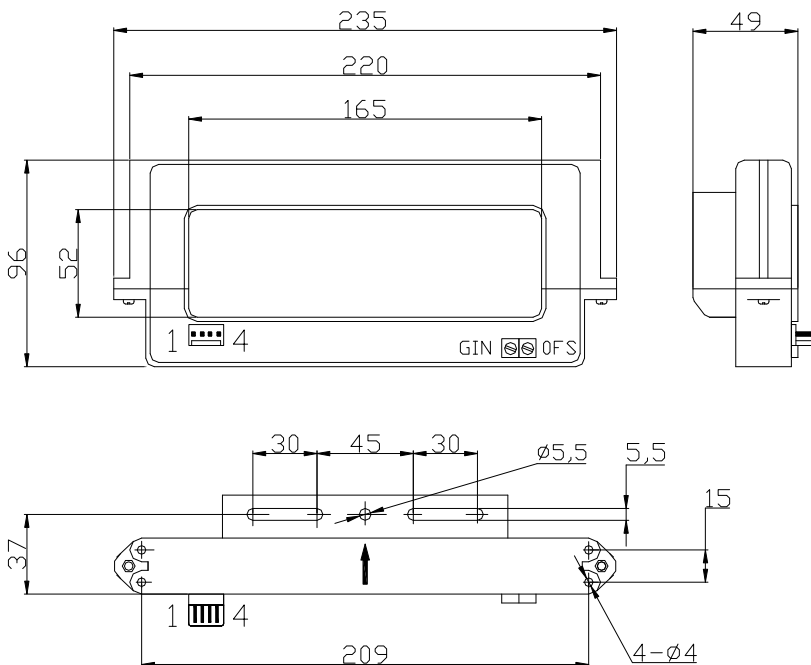
HKC-*Y1 Series Split-core Hall Effect Current Sensor

The HKC-*Y1 series current sensor 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 DC, AC or pulsed currents.

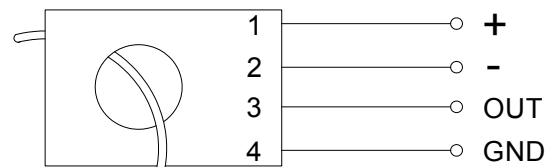
Specifications: Open loop Hall current sensor, Nominal current 2000 10000A RMS for measuring of currents: AC/DC/pulsed

Type	HKC-2000Y1	HKC-3000Y1	HKC-5000Y1	HCK-10000Y1	
I_N	Nominal current (RMS)	2000A	3000A	5000A	10,000A
I_P	Measuring range	0...±3000A	0...±4500A	0...±7500A	0...±15,000A
V_M	Output voltage °C	Nominal output voltage ±4V, for primary nominal current I_N			
X	Accuracy (Ta =+25 °C)	.IN±1.0%			
Vc	Supply voltage	±12 15V (±5%)			
Ic	Current consumption	25mA			
Vi	Isolation voltage °C	Between primary and secondary circuit: 5KV RMS/50Hz/1min.			
Voff	Offset voltage (Ta =+25 °C)	±30mV max, for primary current $I_N=0$			
Td	Temperature drift	±1mV/ Max (-10 +85 °C)			
L	Linearity	≤1%			
Tr	Response time	≤10μS			
	di/dt			
f	Frequency bandwidth	0 20KHz			
RL	Load resistance	≤10KΩ °C			
Ta	Operating temperature	-10°C...+85°C			
Ts	Storage temperature	-40 +85			
Rs	Secondary resistance			
	Primary resistance			
W	Weight	800g			

Dimensions (mm):



Connection:



IN primary current

Secondary terminals:

Terminal 1: supply voltage +12V... 15V

Terminal 2: supply voltage -12V 15V

Terminal 3: output

Terminal 4: ground (GND)



Notes:

Output V_M is positive, when the primary current flows in the direction of the arrow.

OFS: offset adjust; GIN: gain adjust