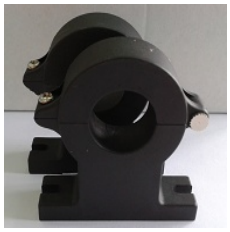
HKC2105-20 Series Open Loop Mode Dismountable Hall Effect Current Transmitter



The HKC2105-20 Series dismountable current transmitter is a 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.

Electrical data(Ta=25℃±5℃)

Type / Parameter	HKC2105-20					Unit
Rated current(Ipn)	±50	±100	±200	±400	±500	A
Measuring range(Ip)	±100	±200	±400	±800	±1000	A
Rated output (Io)	@Ip=Ipn DC		10±1.0%			V
Supply voltage	±12V～±15V±5%, or +24V					V
Offset drift	@ -40～+85℃		≤±0.5			mV/℃
Linearity	@Ip=Ipn		≤1			%FS
Response time	≤200					mS
Bandwidth	0～1000					HZ
Galvanic isolation	2.5@ 50HZ,AC,1min					KV

Applications

- Variable speed drives
- Welding machine
- Battery supplied applications
- Uninterruptible Power Supplies (UPS)
- Electrochemical

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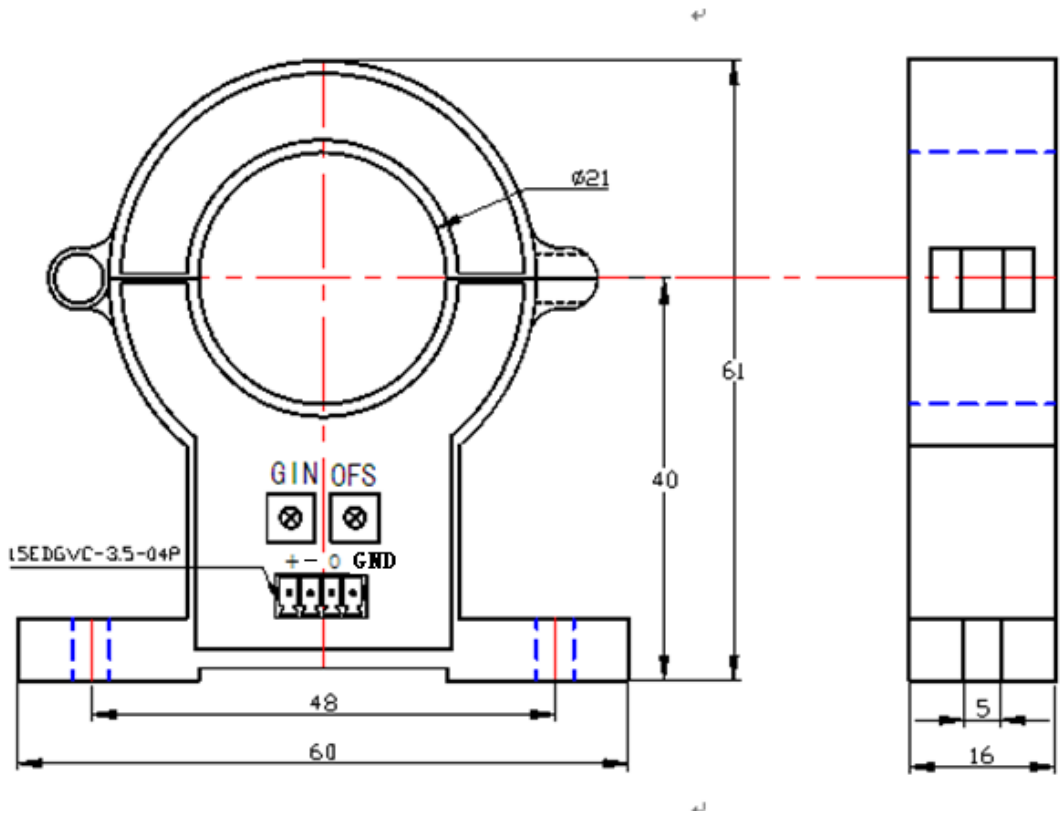
Mechanical dimension(for reference only)



Remarks：

1. All dimensions are in mm.
2. General tolerance ±1mm

Directions for use

1. 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. The output amplitude of the transmitter can be adjusted according to users' requirements.

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

Standards

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

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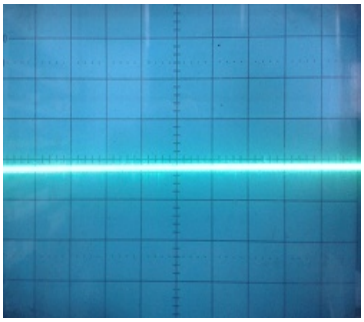
General date

	Value	Unit	Symbol
Operating temperature	-40 to +85	ºC	TA
Storage temperature	-40～+125	ºC	TS
Mass(approx)	68	g	M

Characteristics chart

Effects of impulse noise



⇦(Output voltage)