Product Description

Hall Sensor Series

Closed-loop Hall Current Sensors

ATRAK ENERGY GOSTAR ARAS

Closed-loop Hall Current Sens

Introduction

Closed-loop Hall current sensors, manufactured using the Hall magnetic compensation principle, are used to measure 2000A DC, AC and pulse currents. The primary side input current IN is electrically isolated from the secondary side output current IM and follows the input current linearly in a true manner.

Application area

Various power supplies, welding machines, industrial automation control, electrical drives, frequency converters, motor servo, power systems, railroad systems, etc.

Closed-loop Hall Current Sensors					
Model number	Rated current	Output current	Accuracy	Supply voltage	Window dimensions
	IN（A）	IM（mA）	X（%）	Vc（V）	mm
CHB-2000SJ	2000	400	±0.5%	±15~24	φ60
CHB-2000TJ	2000	400	±0.5%	±15~24	Bus bar

parameters	
Manufacturing principles	Hall magnetic compensation principle
Rated current	2,000A（DC、AC、Pulse current）
Output current ratio	1：5000 The waveform of the output current on th e secondary side is the same as that of the measured current on the primary side.
Measuring frequency	DC~100KHz
Response time	<1μS
Linearity	<0.1%
Power consumption	30mA+IM（Output current）
Insulation voltage	Between the primary and secondary circui ts：6KV valid value/50Hz/1 minute
Operating temperature	-25℃~+85℃
Installation method	Screw-fixed mounting
Application areas	Various power supplies, welding machines, industrial automation control, electrical drives, frequency converters, motor servo, power systems, railroad systems, etc.
Sector	Industry