

产品说明

Applications

NACL-1000B-SS/SP2 磁平衡霍尔电流传感器适用于对交流、直流、脉冲电流的隔离精确测量。测量时一次侧与二次侧间完全绝缘。

For the electronic measurement of currents: AC, DC, pulsed ..., with galvanic separation between the primary circuits and the secondary circuits.

产品优点 Advantages	产品应用 Applications	参照标准 Standards
高精度 Excellent accuracy	交流变频器 AC variable speed drives	GB/T 25119-2010 EN50178 EN50155
线性度好 Very good linearity	伺服电机驱动 Servo motor drives	
低温漂 Low temperature drift	电池供电 Battery supplied applications	
宽频带 Wide frequency bandwidth	变流器/逆变器 converter/inverter	
快速响应 Optimized response time	UPS/SVG	

主要电气参数 Main electrical data

(@ ±I_{IN}, T_A = 25 °C)

额定测量电流 I _{IN}	Primary nominal current	1000A
测量范围 I _{IN}	Primary current measuring range	±2100A
电源电压 V _C	Supply voltage	DC ±(15~24)V(±10%)
电流消耗 I _C (@±24V)	Current consumption	≤ ±35mA+I _{IN}
额定测量输出 I _{OUT}	Output current	200mA
配比	Conversion ratio	1:5000
负载电阻 R _L	Load resistance	@±15V, ±1000A: 0Ω~23Ω(70°C) 0Ω~19Ω(85°C) @±15V, ±1300A: 0Ω~7Ω(70°C) @±24V, ±1000A: 0Ω~63Ω(70°C) 10Ω~61Ω(85°C) @±24V, ±2100A: 0Ω~6Ω(70°C)

精度 - 动态参数 Accuracy - Dynamic performance data

基本误差 δ ₁ (@I _{IN} , T _A =25°C)	Overall Accuracy	≤ ±0.4%
线性度 δ ₁ (@I _{IN} , T _A =25°C)	Linearity error	≤ ±0.1%
零点输出电流 I ₀ (@I _{IN} =0, T _A =25°C)	Offset current	≤ ±0.4mA
零点温度漂移 k _{0T}	Temperature coefficient of δ ₁	≤ ±0.8mA