SSC-HM1000S

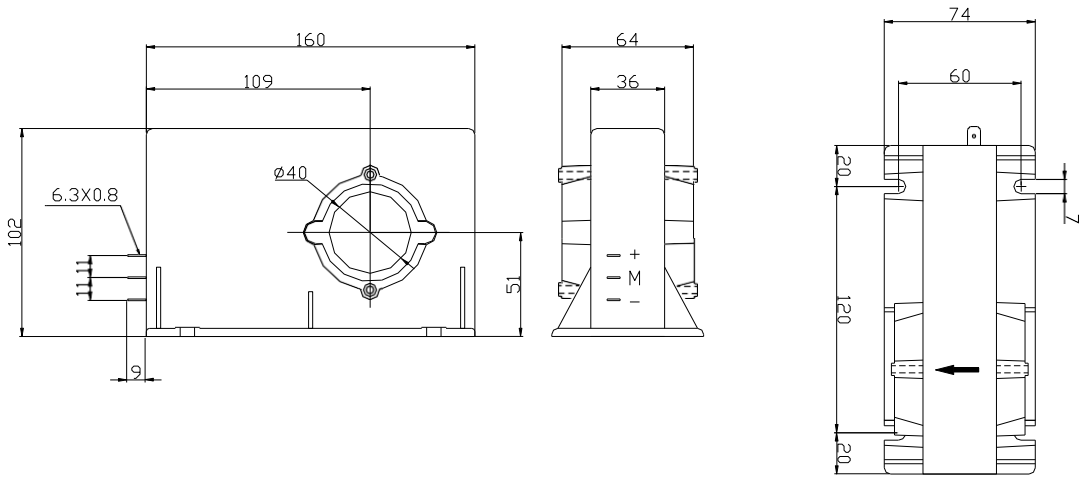
Closed-loop Hall current sensor: rated current 1000A RMS, Hall magnetic compensation works, can be isolated measuring AC, DC, impulse current

Performance parameters:

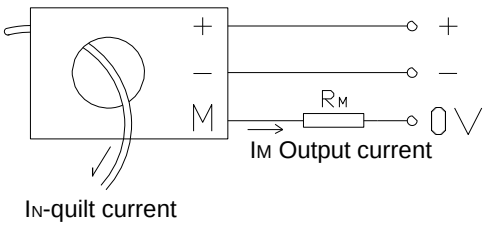
Sym.	Parameters	Value	
I_N	Rated current (RMS)	1000A	
I_P	Measuring range Ip-p	0~±1500A	
K_N	Turns ratio	1:5000	
R_M	Measuring resistance	R_M min	R_M max
	Vc=±15V	2Ω (1000A or 1500A)	20Ω; 5Ω
	Vc=±24V	10Ω (1000A or 1500A)	30Ω; 20Ω
I_M	Output current	The output rating is 200mA, and the corresponding primary current 1000A	
X	Accuracy (Ta=+25°C)	I_N±0.5%	
V_C	Power supply voltage	±15~24V (±5%)	
Vi	Insulation voltage	In the primary side and the secondary side circuit : 6KV RMS/50Hz/1 min	
Ioff	Offset current Ta =+25°C	When the primary voltage I_N=0, the maximum value: ±0.3mA	
Td	Temperature drift Ta=-25°C~+85°C	I_M 0.01%/°C	
L	Linearity	<0.1%	
Tr	Reaction time	<1μs	
f	Frequency range	0~100KHz	
Ta	Operating temperature	-25°C~+85°C	
Ts	Storage temperature	-40°C~+90°C	
Ic	Power consumption	25mA + I_M (measuring current)	
Rs	Secondary side resistance	40Ω	
	The primary-side internal resistance	85kΩ+R1	
W	Weight	900g	

Tel: 8-812-309-58-32
www.sensset.ru
Add: 198099, Saint-Petersburg,
Kalinina street 2, b.4,lit.A.

Mechanical dimensions (mm):



Circuit connection diagram:



Sym.	Description
+	Positive power supply (+15~24)
-	Negative power supply (-15~24)
M terminal	Output terminal

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