

Current Transducer/Sensor



SB1 DC Current Transducer

FEATURES

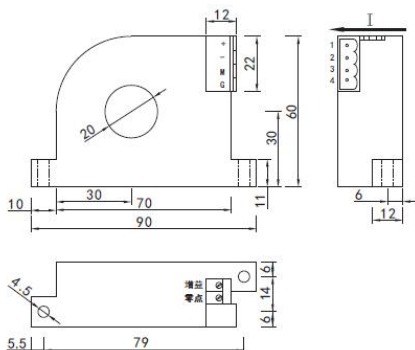
- *Hall open-loop operational principle, can measure current in any waveform, the output terminal can reflect the waveforms parameters of input current
- *Controlled by temperature compensation circuit, measure accurately
- *Perforation input, plug terminal, screw fastening plane mounting
- *It widely applies to all kinds of industrial current online detection system
- *Dimension(mm):90(L)×26(W)×60(H) aperture:20mm

MODEL

LF-DI12-   **B1-1.0/** 
A B C

Model selection1: LF-MI11-35B1-1.0/0~±10mA
Explanation: this product is a 0~±10mA input range,
0~±5V output, ±12V power supply,
B1 style DC leakage current sensor.

DIMENSION DIAGRAM



ELECTRICAL DATA

- *Standards :IEC688:1992, QB/LF2007-1
- *Input Range :0~500A can choose 0~50A,0~100A etc
- *Accuracy Grade:≤1.0%.F.S
- *Linearity Degree:Better than 0.2%
- *Response Time:≤10uS
- *Frequency:0~10KHZ
- *Offset Voltage:≤20mV
- *Temperature Characteristics :≤150PPM/°C (0~50°C)
- *Power Consumption:≤30mA+output current
- *Isolation Withstanding Voltage AC2.0KV/min*1mA between input/output/ power
- *Load Capacity 2 times current continuous, 30 times 1 second
- *Flame Retardancy:UL94-V0
- *Working Environment: -10 °C ~50 °C ,20%~90% without condensation
- *Storage Environment: -40 °C ~70 °C ,20%~95% without condensation

MODEL REMARKS

A---Output	B---Power supply
1:0~5V Tracking output	
1a:0~4V Tracking output	5: ±12V ±10%
3:0~5V	6: ±15V ±10%
6: 1~5V	
8: 0~10V	
T: Special output	C---Current input range

CONNECTION DIAGRAM

- 1 "+": Positive power supply's positive wiring end
 - 2 "-": Negative power supply's positive wiring end
 - 3 "M": Measuring output end
 - 4 "G": Power and output's common ground end
- Note: when single power supply works, 2 is empty
Note: When the transducer leave factory,
the output zero/gain has adjusted well,
Please don't adjust, it randomly in no special situation.



Xiamen ZT Technology Co., Limited

<http://www.transducersgroup.com>

sales@zntar.com

Jason Zeng

Skype: zntarjason