Leakage Current Sensor/Transducer

B5 Analog Output DC Leakage Current Sensor

FEATURES

Electromagnetic modulation principle, transforms the measured DC micro current into the standard DC voltage output according to the linear proportion;
Controlled by temperature compensation circuit, small thermal drift, measure accurately;
Perforation input, plug terminal, screw fastening plane mounting;
It was widely applied to the branch way power supply of the isolation online detection in DC power supply system;
Dimension(mm):72(L)×20(W)×50(H), aperture:20mm

ELECTRICAL DATA

Input Range.0~±100mA can choose 0~±10mA, 0~±20mA etc
Accuracy Grade.....≤1.0%F.S.
Linearity Degree..... .....better than 0.2%
Response Time.....≤200mS
Offset Voltage.....≤20mV
Temperature Characteristics.....≤150PPM/℃(0~50℃)
Power Consumption.....≤30mA
Isolation Withstand Voltage.....AC2.0KV/min*1mA among input/output/case
Overload Capacity.....2 times current continuous, 30 times current 1 second
Flame Retardancy.....UL94-V0
Working Environment.....-10℃~50℃, 20%~90% without condensation
Storage Environment.....-40℃~70℃, 20%~95% without condensation

MODEL

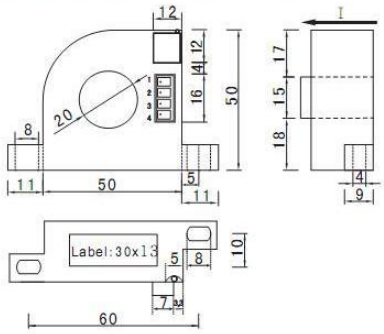
LF-MI11-□□B5-1.0/□
A B C

Model selection1: LF-MI11-35B5-1.0/0~±10mA
Explanation: this product is a 0~±10mA input range, 0~±5V output, ±12V power supply, B5 style DC leakage current sensor.

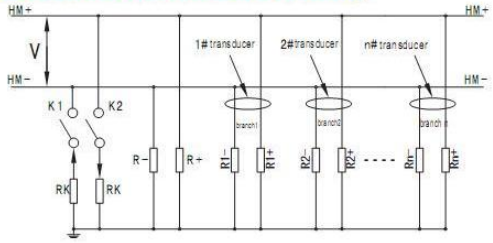
MODEL REMARKS

A. Output
3:0~±5V
T: Special output
B. Power supply:
5:±12V±10%
6:±15V±10%
C. Current input range

DIMENSION DIAGRAM



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

1. Notice the auxiliary power supply information on the label, make sure power supply's degree and polarity are correct before power on.
2. When the current direction and the marked arrow on the transducer's case in the same direction, the positive output can be obtained.
3. The temperature of primary bus should not be over 60℃, when the current bus fills primary threading hole, the best measuring accuracy can be obtained .