

# Leakage Current Sensor/Transducer






B2 Analog Output DC Leakage Current Sensor

## FEATURES

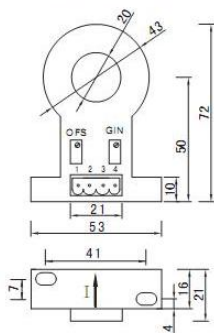
Electromagnetic modulation principle, transforms the measured DC micro current into the standard DC voltage output according to the linear proportion;  
 Controlled by temperature compensation circuit, small thermal drift, measure accurately;  
 Perforation input, plug terminal, screw fastening plane mounting;  
 It was widely applied to the branch way power supply of the isolation online detection in DC power supply system;  
 Dimension(mm):53(L)×21(W)×72(H), aperture:20mm

## MODEL

LF-MI11-  B2-1.0/

Model selection 1: LF-MI11-35B2-1.0/0~±10mA  
 Explanation: this product is a 0~±10mA input range, 0~±5V output, ±12V power supply, B2 style DC leakage current sensor.

## DIMENSION DIAGRAM



OFS:Zero  
 GIN:Gain

Note: When the transducer leave factory, the output zero/gain has adjusted well. Please don't adjust it randomly in no special situation.

## 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°C, when the current bus fills primary threading hole, the best measuring accuracy can be obtained.

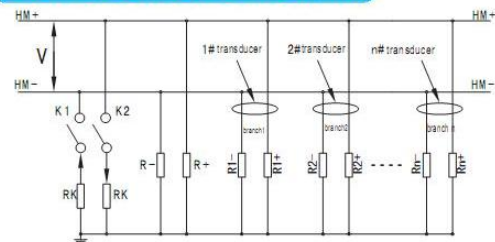
## ELECTRICAL DATA

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/°C(0~50°C)  
 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°C~50°C,  
 20%~90% without condensation  
 Storage Environment.....-40°C~70°C,  
 20%~95% without condensation

## MODEL REMARKS

- A. Output  
 3:0~±5V  
 T: Special output  
 B. Power supply:  
 5:±12V±10%  
 6:±15V±10%  
 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  
 Note: when single power supply works, 2 is empty

