

# Current Transducer/Sensor



## BJT4 AC Zero Magnetic Flux Leakage Current Sensor

### FEATURES




**\*Working principle:** "zero flux" automatic compensation principle, the sensor has been ideal working state of "zero flux", guarantees the contrast and the difference value in the highest accuracy.

**\*Usage:** Specially designed for ac leakage current sampling from all kinds of power equipment insulation online monitoring system.

**\*Advantage:** The best performance/price ratio, high accuracy, high stability, small volume, light weight, easy installation, perforated input, without insertion loss

**\*Application:** suitable for 1~500KV electrical equipment grounding wire leakage current and dielectric loss of electric testing, insulation online monitoring systems, such as: PT and CT, main transformer casing, main transformer iron core, a variety of lightning arrester, switch, etc. **\*Dimension(mm):** BJT4: 106(L)×24(W)×60(H) aperture: 22mm

### MODEL

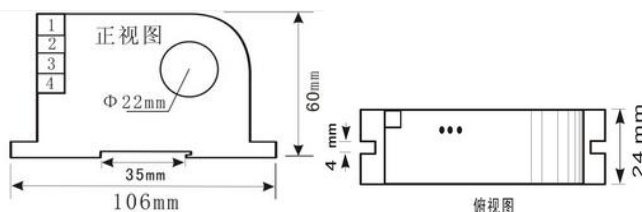
LF-AI12-   BJT4-0.5/   
A B C

Model selection1:LF-AI12-33BJT4-1.0/0~10mA

Explanation: this product is a 0~10mA input range, 0~5v output, 15V power supply,

BJT4 style AC Zero Magnetic Flux leakage current sensor.

### DIMENSION DIAGRAM



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### ELECTRICAL DATA

\*Input Range: 5~1200mA can choose 0~5mA, 0~100mA etc

\*Accuracy Grade:  $\leq 0.5\%$  F.S

\*Linearity Degree: better than 0.1%

\*Response Time:  $\leq 200\text{ms}$

\*Offset Current:  $\leq 20\mu\text{A}$

\*Temperature Characteristics:  $\leq 100\text{PPM}/^\circ\text{C}$  (0~50 $^\circ\text{C}$ )

\*Power Consumption:  $\leq 10\text{mA}$

\*Load: Voltage output: 5mA, Current output: 6V

\*Over Load: 10 times of input

\*Isolation Withstanding Voltage: AC3.0KV/min\*1mA between input /output/ power

\*Flame Retardancy: UL94-V0

\*Working Environment: -10 $^\circ\text{C}$ ~70,

20%~90% without condensation

\*Storage Environment: -40 $^\circ\text{C}$ ~85,

-20%~95% without condensation

### MODEL REMARKS

A---Output	B---Power supply
2: 0~4V	2: 12V $\pm 10\%$
3: 0~5V	3: 15V $\pm 10\%$
	4: 24V $\pm 15\%$
T: Special output	C---Current input range

### CONNECTION DIAGRAM

