

AC Leakage Current Transformers

CTZ-LB Series

CTZ-LB series leakage current transformer is specially designed for leakage current sampling for the online monitoring devices on the electric equipment. Leakage current normally is rated in mA level, and must be one turn through. This SPA series current transformer based on zero-flux principle, when in working state, it constantly stay in the theoretical "zero-flux" state, thus guarantee the maximum high precision of ratio error and phase error. The temperature, vibration and return loop, etc almost can not affect it.

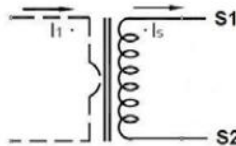
◆ Features

- No power supply, one turn through hole structure, fine stability;
- Adopt hipernik/permalloy, with fine linearity, high sensitivity;
- With special finishing treatment, fine stability, strong anti-interference ability, good for outdoor application.

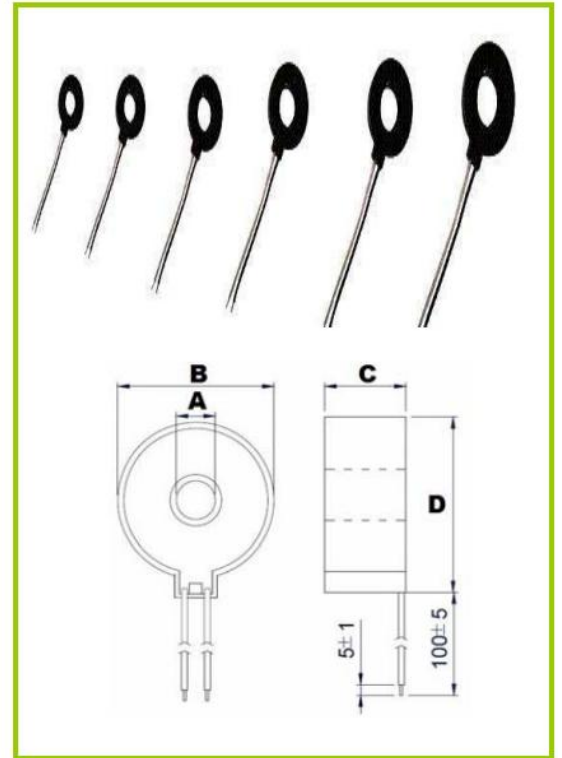
◆ Applications

Suitable for earth lead current leakage and dielectric loss testing for high voltage electric equipment. Insulation online monitoring device, e.g CT, PT, CVT, main transformer, main core, various arresters, switches.

◆ Circuit connection diagram



◆ Technique Index



Electrical Parameter	
Frequency	50-400Hz
Rated Input	10mA-100mA
Measuring range	10%In-130%In
Rated Output	0-0.1mA
Ratio	$\leq \pm 0.2\%$
Phase angle	$\leq \pm 10$ 分
Dielectric strength	2.5KV/1mA/1min
Insulation Resistance	DC500V/100MΩ min

Mechanical Parameter	
Case	PBT /UL94-V0
Bobbin	PBT
Core	Permalloy or Nanocrystalline
Internal structure	Epoxy
Construction	-----
Operating Temp	-25℃ ~ +75℃
Operating Humidity	$\leq 85\%$
Output Connection	Leads

◆ Type Selection

Mfg P/N	Input (A)	Ratio	Accuracy	Dimensions (mm)			
				A	B	C	D
CTZ-LB-6.5	0-30mA	300: 1 500: 1 750: 1 1000: 1	0.2、0.5	6.5	17.0	7.0	19.0
CTZ-LB-9.0	0-30mA		0.2、0.5	9.0	22.0	8.2	25.0
CTZ-LB-10.0	0-30mA		0.2、0.5	10.0	24.0	9.0	26.0
CTZ-LB-13.0	0-30mA		0.2、0.5	13.0	37.8	14.0	43.2
CTZ-LB-15.0	0-30mA		0.2、0.5	15.0	30.0	9.2	36.0
CTZ-LB-19.0	0-50mA		0.2、0.5	19.0	38.0	12.9	40.0
CTZ-LB-22.0	0-80mA		0.2、0.5	22.0	40.0	10.0	38.5
CTZ-LB-25.0	0-100mA		0.2、0.5	25.0	45.0	12.0	49.0
CTZ-LB-26.0	0-100mA		0.2、0.5	26.0	48.0	14.0	53.0

Xiamen ZT Technology Co., Limited

Skype: zntarjason,

zntarjason@gmail.com,

sales@zntar.com

www.zntar.com