

ZY-CT Series

Split-core Current Transformer



Description

The ZY-CT Series delivers high-quality current transformers specifically designed for low-voltage systems under 600V.

Featuring a comprehensive range of specifications and a compact form factor, the split-core design allows for rapid, non-disruptive installation.

This safe and convenient solution significantly reduces labor hours while enhancing overall operational efficiency.

Applications

- Versatile for diverse power measurement systems, precisely meeting AC current, power, and power factor monitoring needs with seamless integration for AC energy meters and instrumentation
- Galvanic isolation for superior operational safety

Selection Table

ZY-CT Series

Aperture		Primary Current	
Code	Diameter (mm)	Code	Rated Current
10	Φ10	005	5A
16	Φ16	060	60A
		100	100A
24	Φ24	150	150A
		200	200A
35	Φ35	300	300A
		400	400A
		600	600A
50	Φ50	800	800A

Specifications

Input Specifications

Model	Primary Current (A)	Secondary Output (mV)	Accuracy (% F.S.)	Weight (g)
ZYCT-10-005	5A	333	1.0	60g
ZYCT-16-060	60A	333	0.5	100g
ZYCT-16-100	100A	333	0.5	100g
ZYCT-24-150	150A	333	0.5	205g
ZYCT-24-200	200A	333	0.5	205g
ZYCT-35-300	300A	333	0.5	375g
ZYCT-35-400	400A	333	0.5	375g
ZYCT-35-600	600A	333	0.5	375g
ZYCT-50-800	800A	333	0.5	655g

General Parameters

Primary Current Input	5~800A
Secondary Voltage Output	333mV
Accuracy	0.5% , Class 1.0(5A: 1.0%)
Phase Displacement	≤30' (5A: ≤90')
Operating Voltage	≤ 720Vac
Operating Frequency	50~1KHz

Electrical Characteristics

Insulation Resistance	100MΩ@500Vdc
Dielectric Strength	4000Vac/10s
Operating Temperature	-15°C ~+50°C

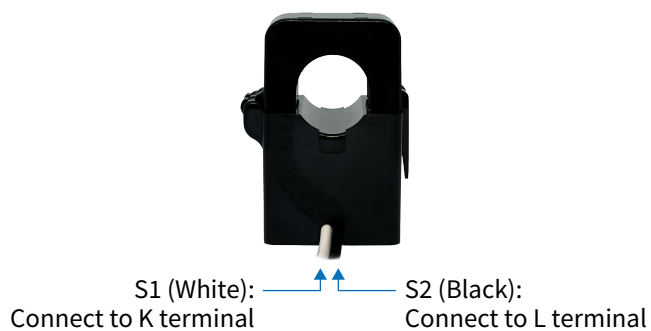
Mechanical

Housing Material	Nylon, UL 94-V0 flame retardant
Lead Wire	AWM1015-22AWG (0.34 mm ²) black/white twisted pair
Certification	CE certified

Model	Aperture	L	W	H	Lead Wire Length
ZYCT-10	10.0	31.0	28.8	42.8	2000
ZYCT-16	16.0	37.8	33.9	49.0	2000
ZYCT-24	24.0	53.3	40.2	69.9	2000
ZYCT-35	35.0	67.0	42.8	83.1	2000
ZYCT-50	50.0	87.2	51.0	112.6	2000

Tolerance: ±2mm Unit: mm

Wiring Instructions



Appearance & Dimensions

