

# CTSA Series of Split core Current Transformers

CTSA Series (secondary output mA or 0.333-3.53V, Suitable for measuring the cable current)

The YUANXING CTSA series of split core style current transformers are designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without disconnecting cables circuits for CT installation. This method permits a safer, easier and portable current measurement.



## FEATURES

- Low cost
- 4 standard sizes
- Split core design, safer, easier installation, and portable.

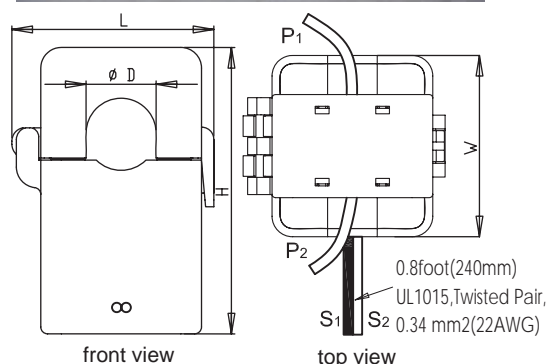
## APPLICATIONS

- Electrical lines and equipment of current measurement, control and protection
- Measures AC current flow to electric motors, lighting, air condition equipment, etc. Compatible with HVAC temperature control, power management, building automation systems.

## SPECIFICATIONS

- Rated Primary Current :5-400Aac
- Rated Second Voltage :0.333Vac
- Frequency Range:50-400Hz
- Operating Temperature:-15℃ to 60℃
- Insulating Resistance:100M Ohms @ 500Vdc
- Dielectric Strength:2,500 Vac/min
- Case Material:nylon ,Resin94-V0 • Insulation Voltage:≤720Vac
- RoHS compliant • CE-approved • ETL-approved
- Leads: 240mm (0.8Foot), UL1015, Twisted Pair, 0.34mm<sup>2</sup> (22AWG), The length can be customized.

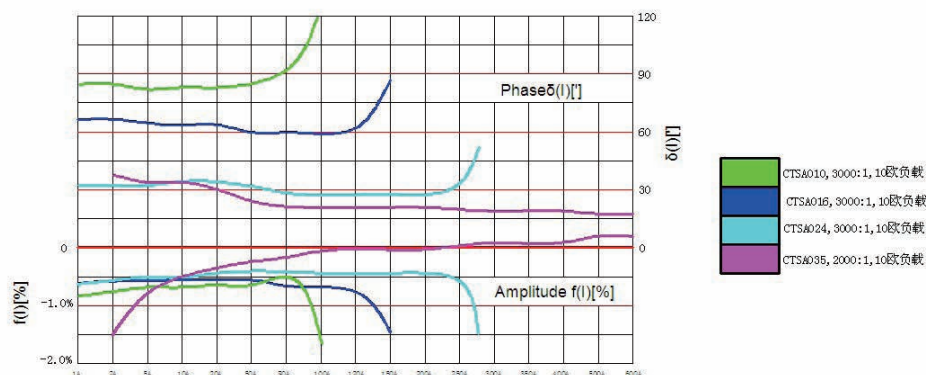
## PERFORMANCES



Part Number	Ratio	Measuring			Protection		Frequency ( Hz )	OutlineDimensions ID-L-W-H (mm/inch)
		Rated Input (A)	Accuracy class	Phase linear error	Rated Accuracy Limit Primary Current (A)	Limit error		
CTSA010	3000:1	5,10,20,50,75,	1.0,3.0	≤60'	200	5%	50 to 400	10.0/29.4/26.4/41.7 0.394/1.157/1.039/1.642
CTSA016	3000:1	70,100,150	0.5,1.0	≤30'	300	5%	50 to 400	16.0/36.9/39.2/52.9 0.630/1.453/1.543/2.083
CTSA024	3000:1	100,150,200, 250	0.5,1.0	≤30'	540	5%	50 to 400	24.0/51.2/47.0/70.2 0.945/2.016/1.850/2.764
CTSA035	3000:1	200,300,400, 500	0.5,1.0	≤30'	600	5%	50 to 400	35.0/65.8/51.2/83.5 1.378/2.591/2.016/3.287

Note: Output voltage signal, recommended priority of 0.333V

## CHARACTERISTIC CURVE



**YUANXING Electronics Co., Ltd.**

Pioneering Park, Science & Technology Industry Zone,  
Zhangdian, Zibo, Shandong, PRC 255095

Phone: +86-533-381-8450  
Fax: +86-533-381-8724

[www.yuanxing.net](http://www.yuanxing.net)  
[sales@yuanxing.net](mailto:sales@yuanxing.net)