

Current Transformers for AC Electronic Watthour Meters

Three Phase for AC Electronic Watthour meters

The YUANXING AC series of miniature current transformers for electronic watthour meters are designed for applications where high-precision and minimal phase angle error watt-hour metre ect. electric energy measurement device .



A new TA model can be designed and manufactured to meet the specific design challenges of the client's specific application. The following models are only a small sampling of the many different products which have been and are currently being manufactured.

FEATURES

- Low cost • Small size
- More than 3 standard sizes
- High accuracy, wide linear range, good consistency
- Flexible installation, bolt fixed, lead way
- Toroidal Nanocrystalline and Nickel Alloy cores available

APPLICATIONS

- Used for high precision small phase error requirements such as electricity meter electric energy metering device

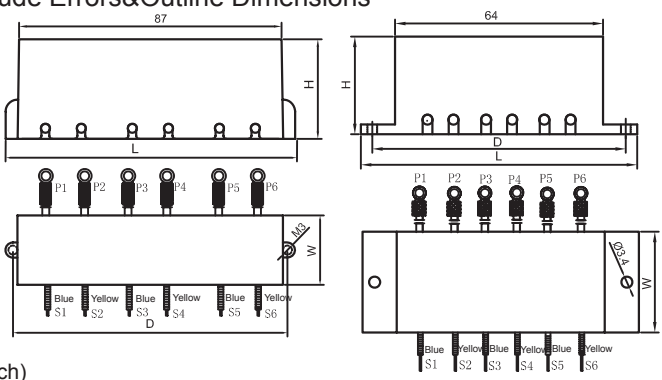
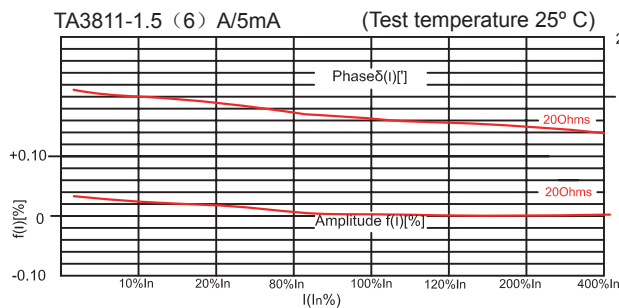
SPECIFICATIONS

- Exterior Material: PBT Resin UL flame retardant rating 94-V0
- Interior Insulation:Epoxy Encapsulated
- Isolation Current:2500 Vrms for 1 minute
- Dielectric Resistance:1000 M Ohms @ 500 Vdc
- Surge Withstand: 5000V (1.2/50µs standard shock wave) optional
- Operating Temperature:-25 to +55°C,-40 to +85°Coptional
- Frequency:50 to 400 Hz
- Accuracy Class:as defined in IEC 60044-1 Part 1 Current Transformers Class 0.1,0.2
- RoHS Compliant

PERFORMANCES

Model	Rated (max) Input/Output current	turn ratio	Frequency (Hz)	Secondary Burden(Ohms)	Accuracy Class	Outline Dimensions ID-L-W-H(mm)	Output way
TA3711	Input:1.5(6)A Output: 5mA,6mA,10mA	150:1 250:1 300:1	50 - 400	≤40	0.1, 0.2	L-W-H 85.0-31.0-33.0	Lead
TA3811	Input:1.5(6)A Output: 5mA,6mA,10mA	150:1 250:1 300:1	50 - 400	≤40	0.1, 0.2	L-W-H 98.0-23.0-33.0	
TA38C11	Input:1.5(6)A Output: 5mA,6mA,10mA	150:1 250:1 300:1	50 - 400	≤40	0.1, 0.2	L-W-H 96.0-23.0-28.0	

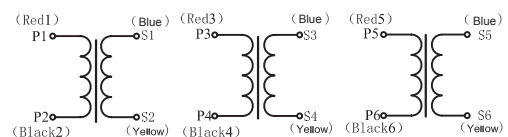
Typical Impedance Dependence of Phase and Amplitude Errors&Outline Dimensions



型号	L	W	H	D
TA3711	85.0(3.346)	31.0(1.220)	33.0(1.299)	78.0(3.071)
TA3811	98.0(3.858)	23.0(0.906)	33.0(1.299)	90.0(3.643)
TA38C11	96.0(3.780)	23.0(0.906)	33.0(1.299)	90.0(3.643)

TA3811/TA38C11

TA3711



Single turn primary

Wound primary

Without DC Immunity

With DC Immunity

Steady Protection

Transient Protection

Passive for Fault Recording

Active for Fault Recording

Motor Protection

SHANDONG YUANXING Electronics Co.,Ltd.

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

NO.39, QIXIN AVENUE, ZHANGDIAN,
ZIBO, SHANDONG, CHINA 255095

www.yuanxing.net
sales@yuanxing.net