TAIK ELECTRIC

Split-Core Current Transformer TSC-016 Series

The TSC-016 Series are split-core current transformers. The CT can demounted to existing panels, such as control centers or load centers, to measure or monitor wattage. These CT can be mounted without removing existing cables for easier installation



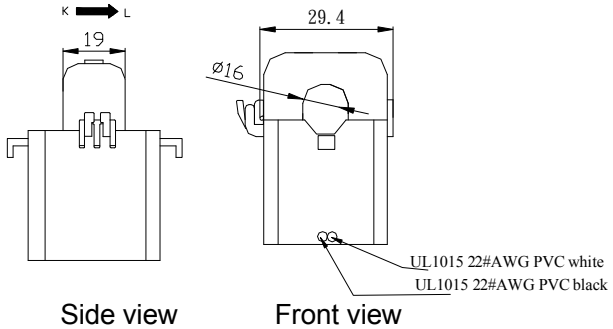
APPLICATION

- Current Measurement
- Electrical load monitoring
- Energy and sub-metering products
- Network equipment
- Instruments and sensors
- Control systems
- Go GREEN initiatives

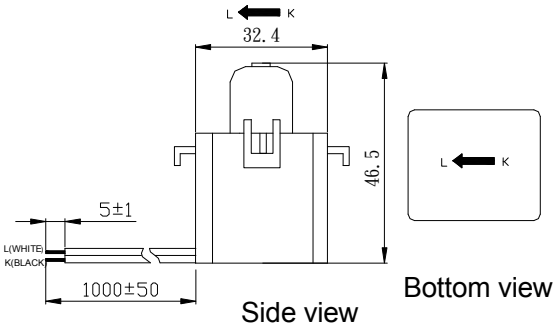
SPECIFICATIONS

- Standard Input Current 0.1-150A
- Frequency 50Hz-400Hz
- Custom design Turns-Ratio available
- Standard accuracy 0.5,1.0
- Approximate weight 100g
- Clamping voltage on selected models
- ANSI C57.13 and C12.20 Standards

Mechanical Dimensions(unit:mm)

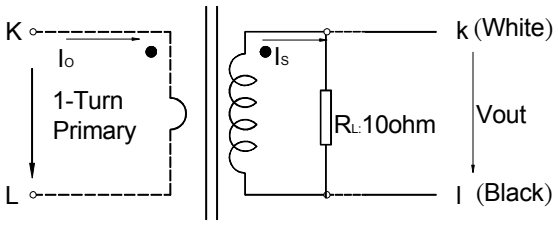


Side view Front view



Side view Bottom view

CONNECTION DIAGRAM



$$Vout = \frac{I_O \times R_L}{N}$$

Vout:Secondary Output Voltage

Io:Primary Current

R_L:Secondary Load

N:Secondary Turns

STANDARD PART NUMBERS

MODEL	INPUT CURRENT	AVAILABLE OUTPUT	ACCURACY
TSC-016-30	30A	CURRENT OUTPUTS @ 15mA, 33.3mA, 40mA, 50mA,100mA VOLTAGE OUTPUTS @ 0.25V, 0.33V, 0.5V, 1V, 2V	0.5%
TSC-016-60	60A		
TSC-016-120	120A		
TSC-016-150	150A		

CAUTION

Before installation, safety precautions must be followed by licensed professional. Never energize primary unless short circuited terminals or burden connected to secondary.