TAIK ELECTRIC

Split Core Current Transformer TSC-024 Series

The TSC-024 Series are split-core current transformers.
The CT can be-mounted to existing panels, such as control centers or load centers, to measure or monitor wattage.
These CTs can be mounted without removing existing cables for easier installation



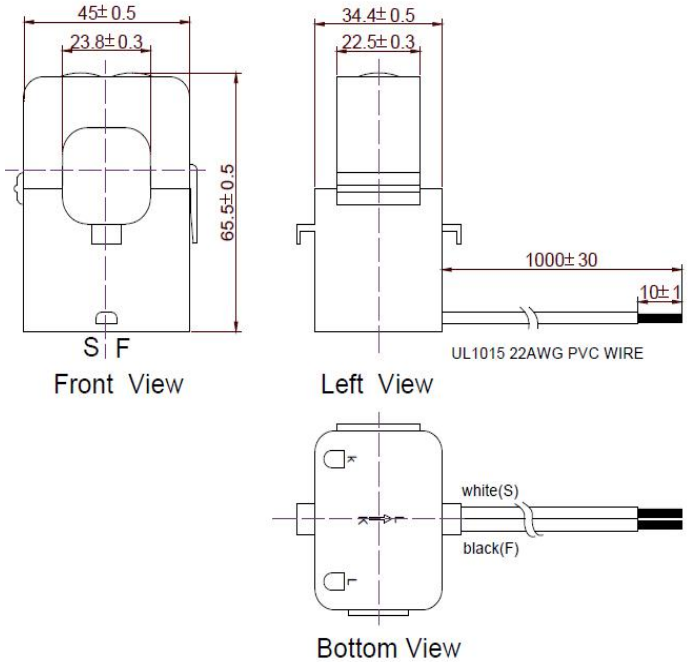
APPLICATION

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

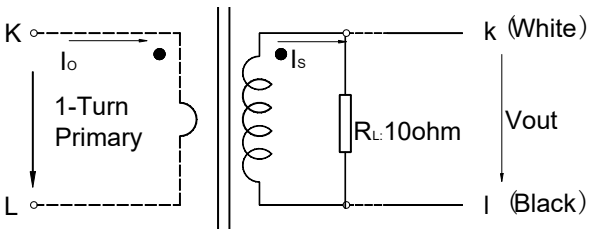
SPECIFICATIONS

- Standard Input Current 1-300A
- Frequency 50Hz-400Hz
- Custom design Turns-Ratio available
- Standard accuracy 0.5,1.0
- Approximate weight 180g
- Clamping voltage on selected models
- ANSI C57.13 and C12.20 Standards

Mechanical Dimensions(unit:mm)



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-024-100	100A	CURRENT OUTPUTS @15mA, 20mA, 40mA, 50mA,100mA,1A, 5A VOLTAGE OUTPUTS @0.25V, 0.33V, 0.5V, 1V, 2V	0.5%@1mA~100mA output 2%@1A~5Aoutput
TSC-024-150	150A		
TSC-024-200	200A		
TSC-024-250	250A		
TSC-024-300	300A		

CAUTION

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