

ESCT-T Series 1A/5A

Mini Split Core Current Transformer

- Split core
- 1A / 5A secondary output
- Easy installation
- Safe operation
- Precise transform



> Description

The ESCT-T series of split core current transformers are designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without requiring that the primary wire be taken off line and disconnected for CT installation. This method permits a safer easy and portable current measurement.

Application:

Measures AC current flow to electric motors, lighting, air conditioning equipment, etc. Compatible with HVAC temperature control, power management, building automation systems.

> Specifications

| | |
|-------------------------|---|
| Frequency | 50-60Hz |
| Rated current | 100A to 600A loads |
| Rated output | 1A / 5A (AC) |
| Accuracy | ± 1% from 20% to 120% of rated current |
| Phase angle | less than 2 degrees at 50% of rated current |
| Insulation voltage | 600Vac |
| Maximum primary voltage | 5000Vac (Insulated Conductor) |
| Dielectric strength | 2.5KV/1mA/1min |
| Operating temperature | -15°C to 60°C. |
| Operating humidity | < 85% |
| Case material | PC / UL94-V0 |
| Bobbin | PBT |
| Core | Permalloy |
| Internal structure | Epoxy |

> Specification

| Size | Model | Ratio | Accuracy |
|------------|-------------|-----------|-----------|
| | ESCT-T24-I | 100/1 | 0.5/1/3.0 |
| | ESCT-T24-I | 150/1 | 0.5/1/3.0 |
| | ESCT-T24-I | 200/1 | 0.5/1/3.0 |
| | ESCT-T24-I | 250/1 | 0.5/1/3.0 |
| | ESCT-T24-I | 300/1 | 0.5/1/3.0 |
| | ESCT-TU36-I | 100/1 | 0.5/1/3.0 |
| | ESCT-TU36-I | 150/1 | 0.5/1/3.0 |
| | ESCT-TU36-I | 200/1 | 0.5/1/3.0 |
| | ESCT-TU36-I | 300/1 | 0.5/1/3.0 |
| | ESCT-TU36-I | 400/1 | 0.5/1/3.0 |
| | ESCT-TU36-I | 500/1 | 0.5/1/3.0 |
| | ESCT-T24-5 | 100/5 | 0.5/1/3.0 |
| | ESCT-T24-5 | 150/5 | 0.5/1/3.0 |
| | ESCT-T24-5 | 200/5 | 0.5/1/3.0 |
| | ESCT-T24-5 | 250/5 | 0.5/1/3.0 |
| | ESCT-T24-5 | 300/5 | 0.5/1/3.0 |
| | ESCT-T36-5 | 100/5 | 0.5/1/3.0 |
| | ESCT-T36-5 | 150/5 | 0.5/1/3.0 |
| | ESCT-T36-5 | 200/5 | 0.5/1/3.0 |
| | ESCT-T36-5 | 300/5 | 0.5/1/3.0 |
| | ESCT-T36-5 | 400/5 | 0.5/1/3.0 |
| | ESCT-T36-5 | 500/5 | 0.5/1/3.0 |
| ESCT-T36-5 | 600/5 | 0.5/1/3.0 | |