

ESCT-TU Series 333mV / 100mV

Mini Split Core Current Transformer

- Split core
- 333mV/100mV secondary output
- Easy installation
- Safe operation
- Precise transform



> Description

The Eastron ESCT-TU 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. An internal precision burden resistor across the secondary winding of the CT provides a safe low voltage output and permits safe opening of the secondary circuit.

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	5A to 600A loads
Rated output	333mV/100mV (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/1 min
Operating temperature	-15°C to 60°C.
Operating humidity	< 85%
Case material	PC / UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Leads	UL 1015, Twisted Pair, 22AWG

> Specification

Size	Model	Ratio	Accuracy
	ESCT-TU10-0.333	5/0.333	0.5/1/3.0
	ESCT-TU10-0.333	10/0.333	0.5/1/3.0
	ESCT-TU10-0.333	20/0.333	0.5/1/3.0
	ESCT-TU10-0.333	50/0.333	0.5/1/3.0
	ESCT-TU10-0.333	75/0.333	0.5/1/3.0
	ESCT-TU10-0.1	5/0.1	0.5/1/3.0
	ESCT-TU10-0.1	10/0.1	0.5/1/3.0
	ESCT-TU10-0.1	20/0.1	0.5/1/3.0
	ESCT-TU10-0.1	50/0.1	0.5/1/3.0
	ESCT-TU10-0.1	75/0.1	0.5/1/3.0
	ESCT-TU16-0.333	5/0.333	0.5/1/0.3
	ESCT-TU16-0.333	10/0.333	0.5/1/0.3
	ESCT-TU16-0.333	50/0.333	0.5/1/0.3
	ESCT-TU16-0.333	100/0.333	0.5/1/0.3
	ESCT-TU16-0.333	150/0.333	0.5/1/0.3
	ESCT-TU16-0.1	5/0.1	0.5/1/0.3
	ESCT-TU16-0.1	10/0.1	0.5/1/0.3
	ESCT-TU16-0.1	50/0.1	0.5/1/0.3
	ESCT-TU16-0.1	100/0.1	0.5/1/0.3
	ESCT-TU16-0.1	150/0.1	0.5/1/0.3
	ESCT-TU24-0.333	10/0.333	0.5/1/3.0
	ESCT-TU24-0.333	50/0.333	0.5/1/3.0
	ESCT-TU24-0.333	100/0.333	0.5/1/3.0
	ESCT-TU24-0.333	250/0.333	0.5/1/3.0
	ESCT-TU24-0.333	300/0.333	0.5/1/3.0
	ESCT-TU24-0.1	10/0.1	0.5/1/3.0
	ESCT-TU24-0.1	50/0.1	0.5/1/3.0
	ESCT-TU24-0.1	100/0.1	0.5/1/3.0
	ESCT-TU24-0.1	250/0.1	0.5/1/3.0
	ESCT-TU24-0.1	300/0.1	0.5/1/3.0
	ESCT-TU36-0.333	20/0.333	0.5/1/3.0
	ESCT-TU36-0.333	100/0.333	0.5/1/3.0
	ESCT-TU36-0.333	250/0.333	0.5/1/3.0
	ESCT-TU36-0.333	400/0.333	0.5/1/3.0
	ESCT-TU36-0.333	600/0.333	0.5/1/3.0
	ESCT-TU36-0.1	20/0.1	0.5/1/3.0
	ESCT-TU36-0.1	100/0.1	0.5/1/3.0
	ESCT-TU36-0.1	250/0.1	0.5/1/3.0
	ESCT-TU36-0.1	400/0.1	0.5/1/3.0
	ESCT-TU36-0.1	600/0.1	0.5/1/3.0