

# ESCT-U Series 333mV

## Split Core Current Transformer

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



### > Description

The Eastron ESCT-U 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 5000A loads
Rated output	333mV (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
Leads	UL 1015, Twisted Pair, 22AWG

### > Specification

Size	Model	Ratio	Accuracy
	ESCT-U75	5/0.333	
	ESCT-U75	10/0.333	
	ESCT-U75	50/0.333	
	ESCT-U75	75/0.333	
	ESCT-U75	100/0.333	
	ESCT-U75	125/0.333	
	ESCT-U75	200/0.333	
	ESCT-U125	50/0.333	
	ESCT-U125	100/0.333	
	ESCT-U125	125/0.333	
	ESCT-U125	200/0.333	
	ESCT-U125	250/0.333	
	ESCT-U125	400/0.333	
	ESCT-U125	630/0.333	
	ESCT-U200	100/0.333	
	ESCT-U200	250/0.333	
	ESCT-U200	400/0.333	
	ESCT-U200	630/0.333	
	ESCT-U200	800/0.333	
	ESCT-U200	1000/0.333	
	ESCT-U200	2000/0.333	
	ESCT-U250	200/0.333	
	ESCT-U250	250/0.333	
	ESCT-U250	400/0.333	
	ESCT-U250	630/0.333	
	ESCT-U250	1500/0.333	
	ESCT-U250	2500/0.333	
	ESCT-U250	3000/0.333	
	ESCT-U300	400/0.333	
	ESCT-U300	800/0.333	
	ESCT-U300	1000/0.333	
	ESCT-U300	1500/0.333	
	ESCT-U300	2500/0.333	
	ESCT-U300	3000/0.333	
	ESCT-U300	5000/0.333	