

US-CT5(1)A Current Transformer (Split Core) **ADTEK**

Description

US-CT5(1)A of split core style current transformers are designed for fast and easy installation. The split core design permits non-contact current measurements through magnetic field induction without disconnecting cables circuits for CT installation. This method permits a safer, easier and portable current measurement.



Features

- Low cost
- Split core design , safer , easier installation , and portable

Applications

- Electrical lines and equipment of current measurement , control and protection
- Measures AC current flow to electric motors , lighting , air condition equipment , etc. Compatible with HVAC temperature control , power management , building automation systems

Ordering Information

US-CT Secondary Current — Hole Size — Primary Current — 2

CODE	Secondary Current	CODE	Diameter(mm)	CODE	Primary Current
5A	5A	24	Φ24	101	100A
1A	1A	35	Φ35	201	200A
		50	Φ50	301	300A
				401	400A
				601	600A
				102	1000A

Technical Specification

Input

Type	Current of primary (A)	Current of secondary (A)	Accuracy %F.S.	Burden	Weight
US-CTxA-24	100A	1A	1.0	0.2VA	295g
	200A	5A	3.0	2.5VA	
US-CTxA-35	200A	1A	1.0	0.2VA	375g
	300A				
	400A 600A	5A	1.0	2.5VA	
US-CTxA-50	400A	1A	1.0	0.2VA	655g
	600A 1000A	5A	1.0	2.5VA	

Operating voltage: ≤ 720Vac
 Frequency range: 50~400Hz
 Phase linear error: ≤ 30'

Electrical Safety

Dielectric strength: 2500Vac/min
 Insulation resistance: 100MΩ@500Vdc

Environmental Characteristics

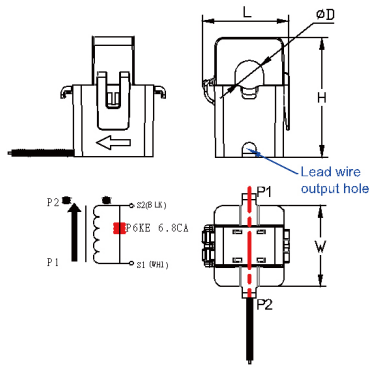
Operating Temp.: -15°C ~+60°C

Mechanical Characteristics

Material: Nylon, 94-V0
 Lead length: 2M, UL1015-16AWG,
 Black and white twisted pair

■ Dimensions

■ Wiring Description



S1 (white): connect to K terminal

S2 (black): connect to L terminal

Type	Hole Size	L	W	H
US-CTxA-24	24.0	53.3	40.2	69.9
US-CTxA-35	35.0	67.0	42.8	83.1
US-CTxA-50	50.0	87.2	51.0	112.6

Tolerance: $\pm 2\text{mm}$ unit:mm

US-CT5A