



Thousand Hundred Industrial Co., Ltd

AC Current Transformer 50/60 Hz

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The CT09,CT10 and CT16 Series :UL- Approved No: E318452

The CT04,CT05,CT06,CT07 ,CT08,CT14 ,CT15 and CT18 Series :UL-Applying
CE Approved No: E0608080

- . Frequency Range:50 /60Hz
- . Operating temperature range: -20°C to +65°C•
- . Storage Temperature Range :-25°C to +85°C
- . Rated System Voltage: 380V AC.
- . Conforms to IEC 60044-1.
- . Isolated Voltage : 2500V AC.
- . Terminals: PC board or lead wire assembly.
- . Produces parts are in accordance with UL requirements.
- . Fully RoHS Compliant.

CT -P and CT -A

CT -S

For Super Accuracy 50/60Hz Current Transformer For low cost 50/60Hz Current Transformer

Applications

- . Precision power meter.
- . Current measurements
- . Power monitoring.

Applications

- . Sensing overload current
- . Metering
- . Analog to digital circuits

Nomination

CT 07 1 200 P P

CT =>The Current Transformer

07 =>The Shape of referred CT07

1 =>The Size of referred CT07-1

200=>Ns: Turns=digit shown *10 (Np :Ns :1:2000ts)

P =>The Material of Core: P: Permalloy Core , A: Amorphous Core , S: Silicon Core

P =>T (Terminals): P (PINs), L (Lead Wires)

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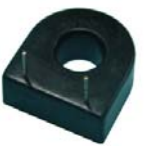


Part Number	Electrical Characteristic				OD	ID	H	Photos
	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT031100 A	10A / 10mA	1	1: 1000	10	<u>17.0</u>	<u>6.3</u>	<u>6.5</u>	
CT031100 S	15A / 15mA	3	1: 1000	10	0.67	0.248	0.256	
CT032100 P	10A / 10mA	2	1: 1000	10	<u>17.6</u>	<u>5.1</u>	<u>6.5</u>	
CT032100 S	15A / 15 mA	3	1: 1000	10	0.693	0.20	0.256	
CT041040 S	10A / 25mA	3	1: 400	10	<u>21.0</u>	<u>5.9</u>	<u>10.0</u>	
CT041080 S	10A / 12.5mA	3	1: 800	10				
CT041100 S	20A / 20mA	3	1: 1000	10				
CT041200 S	20A / 10mA	3	1: 2000	10				
CT043040 P	10A / 25mA	1	1: 400	10	<u>34.0</u>	<u>14.0</u>	<u>13.0</u>	
CT043080 P	20A / 25mA	0.5	1: 800	10				
CT043100 P	30A / 30mA	0.2	1: 1000	10				
CT043200 P	40A / 20mA	0.2	1: 2000	10				
CT043100 A	30A / 30mA	0.5	1: 1000	10				
CT043200 A	40A / 20mA	0.2	1: 2000	10				
CT043200 S	50A / 25mA	1	1: 2000	10				
CT043040 S	20A / 50mA	3	1: 400	10				
CT043080 S	40A / 50mA	3	1: 800	10				
CT043100 S	50A / 50mA	1	1: 1000	10				
CT044040 S	50A / 125mA	3	1: 400	10	<u>40.8</u>	<u>12.0</u>	<u>15.0</u>	
CT044080 S	80A / 100mA	3	1: 800	10				
CT044100 S	100A / 100mA	3	1: 1000	10				
CT044200 S	150A / 75mA	0.5	1: 2000	10				
CT044040 P	20A / 50mA	1	1: 400	10				
CT044080 P	40A / 50mA	0.5	1: 800	10				
CT044100 P	60A / 60mA	0.2	1: 1000	10				
CT044200 P	100A / 50mA	0.2	1: 2000	10				
CT044100 A	60A / 60mA	0.2	1: 1000	10				
CT044200 A	100A / 50mA	0.2	1: 2000	10				



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Part Number	Electrical Characteristic				OD	ID	H	Photos
	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT051080 P	5A / 6.25mA	1	1: 800	10	17.8 0.701	5.7 0.224	10.0 0.394	
CT051100 A	10A / 10mA	0.5	1: 1000	10				
CT051050 S	6A / 12mA	5	1: 500	10				
CT051080 S	10A / 12.5mA	3	1: 800	10				
CT051100 S	10A / 10mA	3	1: 1000	10				
CT052050 S	6A / 12mA	5	1: 500	10	16.8 0.661	5.1 0.201	9.1 0.366	
CT052080 S	10A / 12.5mA	3	1: 800	10				
CT052100 S	10A / 10mA	3	1: 1000	10				
CT052080 P	5A / 6.25mA	1	1: 800	10				
CT052100 A	10A / 10mA	0.5	1: 1000	10				
CT053100 S	10A / 10mA	3	1: 1000	100	18.0 0.709	4.5 0.177	10.0 0.394	
CT053100 P	5A / 5mA	3	1: 1000	10				
CT053100 A	5A / 5mA	3	1: 1000	10				
CT054100 P	2A / 2mA	1	1: 1000	10	17.0 0.669	6.8 0.268	7.0 0.276	
CT054100 A	2A / 2mA	1	1: 1000	10				
CT054100 S	5A / 5mA	5	1: 1000	100				
CT055100 S	10A / 10mA	3	1: 1000	100	18.0 0.709	4.5 0.177	10.0 0.394	
CT055100 A	5A / 5mA	3	1: 1000	10				
CT055100 P	5A / 5mA	3	1: 1000	10				
CT055150 A	6A / 4mA	1	1: 1500	10				
CT056080 S	10A / 12.5mA	3	1: 800	10	21.0 0.827	5.8 0.228	10.0 0.394	
CT056080 P	10A / 12.5mA	3	1: 800	10				
CT056080 A	10A / 12.5mA	3	1: 800	10				

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Part Number	Electrical Characteristic				OD	ID	H	Photos
	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT057150 S	15A / 10mA	3	1: 1500	10	19.1 0.752	5.7 0.224	8.2 0.315	
CT057150 P	10A / 6.66mA	3	1: 1500	10				
CT057200 S	10A / 5mA	3	1: 2000	100				
CT057200 P	5A / 2.5mA	0.2	1: 2000	100				
CT061100 P	6A / 6mA	3	1: 1000	100	17.9 0.705	5.8 0.228	6.9 0.272	
CT061100 A	6A / 6mA	3	1: 1000	100				
CT061100 S	10A / 10mA	5	1: 1000	100				
CT071050 S	1A / 2mA	10	1: 500	100	18.7 0.736	5.9 0.232	10.0 0.394	
CT071050 P	5A / 10mA	5	1: 500	10				
CT071100 S	10A / 10mA	2	1: 1000	100				
CT071100 P	10A / 10mA	0.5	1: 1000	10				
CT071100 A	10A / 10mA	0.5	1: 1000	10				
CT081100 P	10A / 10mA	0.5	1: 1000	100	23.5 0.925	6.9 0.271	12.6 0.496	
CT081200 P	20A / 10mA	0.2	1: 2000	100				
CT081250 P	20A / 8mA	0.2	1: 2500	100				
CT081500 P	50A / 10mA	0.1	1: 5000	100				
CT081100 A	10A / 10mA	0.5	1: 1000	100				
CT081200 A	20A / 10mA	0.2	1: 2000	100				
CT081250 A	30A / 12mA	0.2	1: 2500	100				
CT081500 A	50A / 10mA	0.1	1: 5000	100				
CT081100 S	10A / 10mA	3	1: 1000	100				
CT081200 S	20A / 10mA	1	1: 2000	100				
CT081250 S	50A / 20mA	0.5	1: 2500	100				

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	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT091100P	5A / 5mA	1	1: 1000	100	22.0 0.866	9.0 0.354	8.2 0.323	 
CT091150P	7A / 4.6mA	1	1: 1500	100				
CT091200P	10A / 5mA	1	1: 2000	100				
CT091100S	20A / 20mA	3	1: 1000	10				
CT091150S	15A / 10mA	3	1: 1500	100				
CT091200S	35A / 17.5mA	3	1: 2000	100				
CT091250S	35A / 14mA	3	1: 2500	100				

CT092100P	10A / 10mA	1	1: 1000	100	30.0 1.181	14.7 0.579	9.2 0.362	 
CT092150P	15A / 10mA	1	1: 1500	100				
CT092200P	20A / 10mA	0.5	1: 2000	100				
CT092250P	25A / 10mA	0.5	1: 2500	100				
CT092100S	20A / 20mA	3	1: 1000	100				
CT092150S	25A / 16.6mA	3	1: 1500	100				
CT092200S	40A / 20mA	3	1: 2000	100				

CT093100P	5A / 5mA	1	1: 1000	100	24.0 0.945	10.5 0.413	9.0 0.354	 
CT093150P	10A / 6.6mA	1	1: 1500	100				
CT093200P	15A / 7.5mA	0.5	1: 2000	100				
CT093250P	20A / 8mA	0.5	1: 2500	100				
CT093100S	20A / 20mA	3	1: 1000	100				
CT093150S	30A / 20mA	3	1: 1500	100				
CT093200S	60A / 30mA	3	1: 2000	100				

CT094100P	10A / 10mA	3	1: 1000	100	17.0 0.669	6.7 0.264	7.7 0.303	 
CT094100A	10A / 10mA	3	1: 1000	100				
CT094100S	10A / 10mA	10	1: 1000	10				
CT094150S	20A / 13.3mA	5	1: 1500	10				



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	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT095100P	5A / 5mA	0.5	1: 1000	100	23.5 0.925	6.9 0.272	11.0 0.433	 cRU [®] _{US}
CT095150P	15A / 10mA	0.5	1: 1500	100				
CT095200P	20A / 10mA	0.2	1: 2000	100				
CT095250P	25A / 10mA	0.2	1: 2500	100				
CT095100S	20A / 20mA	3	1: 1000	100				
CT095150S	25A / 16.6mA	1	1: 1500	100				
CT095200S	35A / 17.5mA	1	1: 2000	100				
CT095250S	40A / 16mA	1	1: 2500	100				
CT096100P	25A / 25mA	0.5	1: 1000	100				
CT096150P	30A / 20mA	0.5	1: 1500	100				
CT096200P	30A / 15mA	0.2	1: 2000	100				
CT096250P	50A / 20mA	0.2	1: 2500	100				
CT096100S	30A / 30mA	3	1: 1000	100				
CT096150S	40A / 26.6mA	1	1: 1500	100				
CT096200S	50A / 25mA	1	1: 2000	100				
CT096250S	75A / 30mA	1	1: 2500	100				
CT097100P	30A / 30mA	0.2	1: 1000	100	36.0 1.457	13.0 0.512	14.0 0.551	 cRU [®] _{US}
CT097150P	35A / 23.3mA	0.2	1: 1500	100				
CT097200P	50A / 25mA	0.2	1: 2000	100				
CT097250P	80A / 32mA	0.2	1: 2500	100				
CT097100S	60A / 60mA	1	1: 1000	100				
CT097150S	75A / 50mA	1	1: 1500	100				
CT097200S	100A / 50mA	0.5	1: 2000	100				
CT097250S	150A / 60mA	0.5	1: 2500	100				

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Part Number	Electrical Characteristic				OD	ID	H	Photos				
	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch							
CT101100 P	10A / 10mA	0.5	1: 1000	10	23.5 0.925	7.0 0.276	11.0 0.433	 				
CT101150 P	5A / 3.33mA	0.5	1: 1500	100								
CT101200 P	5A / 2.5mA	0.5	1: 2000	100								
CT101250 P	5A / 2mA	0.2	1: 2500	100								
CT101100 A	10A / 10mA	0.5	1: 1000	10								
CT101150 A	5A / 3.33mA	0.5	1: 1500	100								
CT101200 A	5A / 2.5mA	0.5	1: 2000	100								
CT101250 A	5A / 2mA	0.2	1: 2500	100								
CT101100 S	10A / 10mA	3	1: 1000	100								
CT101150 S	20A / 13.3mA	3	1: 1500	100								
CT101200 S	20A / 10mA	1	1: 2000	100								
CT101250 S	20A / 8mA	1	1: 2500	100								
CT102100 P	10A / 10mA	0.2	1: 1000	10					26.0 1.023	8.9 0.350	17.0 0.669	 
CT102150 P	10A / 6.66mA	0.2	1: 1500	100								
CT102200 P	30A / 15mA	0.2	1: 2000	100								
CT102250 P	50A / 20mA	0.1	1: 2500	100								
CT102100 A	10A / 10mA	0.2	1: 1000	10								
CT102150 A	10A / 6.66mA	0.2	1: 1500	100								
CT102200 A	30A / 15mA	0.2	1: 2000	100								
CT102250 A	50A / 20mA	0.1	1: 2500	100								
CT102100 S	10A / 10mA	2	1: 1000	100								
CT102150 S	10A / 6.66mA	1	1: 1500	100								
CT102200 S	30A / 15mA	1	1: 2000	100								
CT102250 S	50A / 20mA	0.5	1: 2500	100								

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Part Number	Electrical Characteristic				OD	ID	H	Photos
	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT103100 P	20A / 20mA	0.1&0.2	1: 1000	10	37.5 1.476	13.0 0.512	14.0 0.551	 
CT103150 P	30A / 20mA	0.1&0.2	1: 1500	100				
CT103200 P	50A / 25mA	0.1&0.2	1: 2000	100				
CT103250 P	60A / 24mA	0.1&0.2	1: 2500	100				
CT103100 A	20A / 20mA	0.1&0.2	1: 1000	10				
CT103150 A	30A / 20mA	0.1&0.2	1: 1500	100				
CT103200 A	60A / 30mA	0.1&0.2	1: 2000	100				
CT103250 A	60A / 24mA	0.1&0.2	1: 2500	100				
CT103100 S	30A / 30mA	1	1: 1000	10				
CT103150 S	40A / 26.6mA	0.5	1: 1500	100				
CT103200 S	50A / 25mA	0.5	1: 2000	100				
CT103250 S	100A / 40mA	0.5	1: 2500	100				
CT104100 P	100A / 100mA	0.1&0.2	1: 1000	10				
CT104200 P	100A / 50mA	0.1&0.2	1: 2000	100				
CT104250 P	120A / 48mA	0.1&0.2	1: 2500	100				
CT104100 A	100A / 100mA	0.1&0.2	1: 1000	10				
CT104200 A	100A / 50mA	0.1&0.2	1: 2000	100				
CT104250 A	120A / 48mA	0.1&0.2	1: 2500	100				
CT104100 S	100A / 100mA	0.5	1: 1000	100				
CT104200 S	100A / 50mA	0.5	1: 2000	100				
CT104250 S	120A / 48mA	0.5	1: 2500	100				
CT105250A	60A / 24mA	0.5	1: 2500	12.5	31.5 1.240	9.5 0.374	14.2 0.559	 

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Part Number	Electrical Characteristic				OD	ID	T	Photos
	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT151100P	5A / 5mA	0.5	1: 1000	100	28.0 1.102	28.0 1.102	24.3 0.957	
CT151200 P	10A / 5mA	0.1	1: 2000	100				
CT151100 A	5A / 5mA	0.5	1: 1000	100				
CT151200 A	10A / 5mA	0.1	1: 2000	100				
CT151100 S	10A / 10mA	3	1: 1000	100				
CT151200 S	15A / 7.5mA	2	1: 2000	100				
CT152100 P	5A / 5mA	0.2	1: 1000	100	26.8 1.055	17.7 0.697	28.5 1.122	
CT152250 P	10A / 4mA	0.2	1: 2500	100				
CT152100 A	5A / 5mA	0.2	1: 1000	100				
CT152250 A	10A / 4mA	0.2	1: 2500	100				
CT152100 S	10A / 10mA	3	1: 1000	100				
CT152250 S	15A / 6mA	0.2	1: 2500	100				
CT154100 P	3A / 3mA	1	1: 1000	100	21.0 0.827	22.0 0.866	20.0 0.787	
CT154200 P	5A / 2.5mA	0.5	1: 2000	100				
CT154100 A	3A / 3mA	1	1: 1000	100				
CT154200 A	5A / 2.5mA	0.5	1: 2000	100				
CT154100 S	5A / 5mA	3	1: 1000	100				
CT154200 S	10A / 5mA	1	1: 2000	100				
CT155100 P	10A / 10mA	0.2	1: 1000	10	22.8 .898	11.5 0.453	25.0 0.984	
CT155200 P	20A / 10mA	0.2	1: 2000	100				
CT155100 A	10A / 10mA	0.2	1: 1000	10				
CT155200 A	20A / 10mA	0.2	1: 2000	100				
CT155100 S	10A / 10mA	3	1: 1000	10				
CT155200 S	20A / 10mA	1	1: 2000	100				
CT156100 P	15A / 15mA	0.2	1: 1000	10	20.0 0.787	18.6 0.732	20.7 0.815	
CT156200 P	15A / 7.5mA	0.5	1: 2000	100				
CT156100 A	15A / 15mA	0.2	1: 1000	10				
CT156200 A	15A / 7.5mA	0.5	1: 2000	100				
CT156100 S	10A / 10mA	1	1: 1000	100				
CT156200 S	20A / 10mA	2	1: 2000	100				

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	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT141130 P	3A / 2.3mA	0.2	1: 1300	100	23.0 0.906	7.0 0.270	8.5 0.334	
CT141100 A	2A / 2mA	0.2	1: 1000	100				
CT141130 A	3A / 2.3mA	0.2	1: 1300	100				
CT141130 S	40A / 30.7mA	3	1: 1300	10				

CT161100S	20A / 20mA	3	1: 1000	100	23.5 0.925	8.9 0.350	12.0 0.472	 cRU [®] us
CT161150S	30A / 20mA	3	1: 1500	100				
CT161200S	60A / 30mA	1	1: 2000	100				
CT161250S	75A / 30mA	0.5	1: 2500	100				

CT162100S	40A / 40mA	3	1: 1000	100	30.5 1.200	12.6 0.497	15.1 0.472	 cRU [®] us
CT162150S	75A / 50mA	3	1: 1500	100				
CT162200S	80A / 40mA	0.5	1: 2000	100				
CT162250S	100A / 40mA	0.5	1: 2500	100				

CT163100S	40A / 40mA	1	1: 1000	100	31.65 1.246	9.5 0.374	14.2 0.559	 cRU [®] us
CT163150S	75A / 50mA	0.5	1: 1500	100				
CT163200S	100A / 50mA	0.5	1: 2000	100				
CT163250S	120A / 48mA	0.5	1: 2500	100				

CT182100 S	100A / 100mA	5	1: 1000	10	47.5 1.870	19.5 0.768	16.5 0.650	
CT182100 P	100A / 100mA	0.1	1: 1000	10				
CT182100 A	100A / 100mA	0.1	1: 1000	10				
CT182200 S	100A / 50mA	0.5	1: 2000	100				
CT182200 P	200A / 100mA	0.1	1: 2000	10				
CT182200 A	200A / 100mA	0.1	1: 2000	10				

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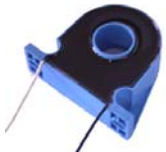
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Part Number	Electrical Characteristic				OD	ID	H	Photos
	Current Ratio	Accuracy Class (%)	Turns Ratio (Np:Ns)	RL (Ω)	mm/inch			
CT183100 P	50A / 50mA	0.2	1: 1000	10	56.3 2.22	23.3 0.92	13.5 0.53	
CT183200 P	80A / 40mA	0.2	1: 2000	10				
CT183250 P	100A / 40mA	0.1	1: 2500	10				
CT183100 A	50A / 50mA	0.2	1: 1000	10				
CT183200 A	80A / 40mA	0.2	1: 2000	10				
CT183250 A	100A / 40mA	0.1	1: 2500	10				
CT183100 S	80A / 80mA	1	1: 1000	10				
CT183200 S	100A / 50mA	0.5	1: 2000	10				
CT183250 S	120A / 48mA	0.5	1: 2500	100				

CT184100 P	100A / 100mA	0.2	1: 1000	10	49.05 1.931	19.5 0.768	20.05 0.789	
CT184200 P	150A / 75mA	0.1	1: 2000	10				
CT184250 P	200A / 80mA	0.1	1: 2500	10				
CT184100 A	100A / 100mA	0.2	1: 1000	10				
CT184200 A	150A / 75mA	0.1	1: 2000	10				
CT184250 A	200A / 80mA	0.1	1: 2500	10				
CT184100 S	100A / 100mA	1	1: 1000	10				
CT184200 S	150A / 75mA	0.5	1: 2000	100				
CT184250 S	200A / 80mA	0.5	1: 2500	100				

CT187200 A	100A / 40mA	0.1	1: 2500	10	45.0 1.772	19.3 0.760	17.5 0.689	
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CT192200S	100A / 40mA	1	1: 2500	10	41.0 1.614	6.0 0.236	15.2 0.598	
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CT106250S	100A / 40mA	0.5	1: 2500	10	68.00 2.677	20.0 0.787	22.0 0.866	
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