

Model 5AST Toroid

Instrument Current Transformer Solid Core

Made in the USA

- UL 2808 Listed E361441
- Input 100A up to 6000A
- Output 1A or 5A
- Accuracy 0.5/1.0
- Window Sizes 1.0" up to 8.0"



The Model 5AST Toroidal Current Transformer (CT) is traditional current ratio instrument transformer. The standard sizes are UL Listed per UL2808 and IEC61010.1. The 5AS series current transformer is provided with internal transient voltage suppressors (TVS) for temporary shock protection for extra safety for the installer- **The TVS is not meant to replace a shorting block or shorted leads.** The CT could be damaged if it is not properly terminated. The ratio accuracy of $\pm 1\%$ full scale is standard. Optional accuracies of up to Class 0.3 are available when a known burden value is provided by customer. Typically, the Model 5AS will meet the accuracy requirements of C57.12-2008 and IEC61869 Table 201. For relay protection instrument current transformers up to C800 ratings refer to the 5AS Protection Relay Instrument Current Transformer section on our web site.

Specifications

<i>Input Current</i>	AC current, sine wave, single Phase 50/60Hz
<i>Voltage Rating</i>	600VAC, tested CAT IV Pollution 3, Overvoltage per UL2808
<i>Output Current</i>	5A or 1A. Must specify burden (VA) and distance to metering instrumentation
<i>Ratio and linearity Accuracy</i>	1.0% from 5% to 100% of scale standard
<i>Optional Accuracies</i>	Classes 0.5 and 0.3 are available
<i>Bandwidth</i>	40Hz to 60Hz
<i>Phase Relationship</i>	Label to face current source, white wire is positive output. H1 to source x1 high
<i>Temperature Range</i>	-40°C to 70°C
<i>Construction</i>	Polycarbonate housing 200°C. tested to U2808 & CAN/CSA C22.2 No. 61010-1-12
<i>Lead Wires</i>	8ft. black and white, 12AWG, 14AWG or 18AWG MTW, UL1015



Part # to Order	Current Ratio PRI to SEC	VA ± 1 Class	B0.1	B0.2	B0.5	B0.9	B1.8	Secondary winding Resistance ohm @ 75°C	Continuous Thermal Rating Factor @ 30°C to 50°C
5AST-XX-201	200:5	5.0	0.6	1.2	-	-	-	0.04	2.0
5AS170-RL-251	250:5	5.0	0.6	0.6	-	-	-	0.047	2.0
5AS170-RL-301	300:5	12.5	0.6	0.6	1.2	-	-	0.053	2.0
5AS170-RL-401	400:5	12.5	0.3	0.3	-	-	-	0.08	2.0
5AS170-RL-501	500:5	20.0	0.3	0.3	0.6	-	-	0.11	2.0 1.5
5AS170-RL-601	600:5	25.0	0.3	0.3	0.6	0.6	-	0.121	2.0 1.5
5AS170-RL-751	750:5	30.0	0.3	0.3			-		2.0 1.5
5AS170-RL-801	800:5	30.0	0.3	0.3			-		2.0 1.5
5AS170-RL-102	1000:5	50.0	0.3	0.3			-		1.33 1.0
5AS170-RL-122	1200:5	75.0	0.3	0.3			-		1.33 1.0
5AS170-RL-152	1500:5	50.0	0.3	0.3			-		1.33 1.0
5AS170-RL-162	1600:5	50.0	0.3	0.3			-		1.33 1.0
5AS170-RL-202	2000:5	100.0	0.3	0.3			-		1.0 0.8
5AS170-RL-252	2500:5	100.0	0.3	0.3			-		1.0 0.8
5AS170-RL-302	3000:5	50.0	0.3	0.3			-		1.0 0.8
5AS170-RL-352	3500:5	50.0	0.3	0.3			-		1.0 0.8
5AS170-RL-402	4000:5	75.0	0.3	0.3			-		0.8 0.6