

**Instrument Current Transformer
5AS Series, 5-Amp and 1-Amp
Split Core, XOBA, UL 2808
Revenue Grade, Class 1.0, 0.5, 0.3**



- UL Listed to UL2808 & IEC61010-1 (XOBA)
- Available in nearly any size up to 8"x8" windows
- Built in shock protection for the installer
- Accuracy Class 1.0, 0.5 and 0.3
- Overvoltage Category IV (CAT IV)
- Field installable as a standalone product

The model 5AS Current Transformer is a traditional current ratio instrument transformer. The standard sizes are UL Listed per UL2808 and IEC61010-1. The 5AS series current transformers are provided with internal transient voltage suppressors (TVS) for shock protection in case the output leads are not terminated. The ratio accuracy of +/- 1% full scale is standard. Optional accuracies of 0.5% and 0.3% are available when a known burden value is provided by customer. Typically, the Model 5AS will meet the accuracy requirements of C57.13-2008 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.

Custom made split and solid instrument current transformers are available. Call for details.



SPECIFICATIONS

Input Current: AC current, sine wave, single phase 50/60Hz.

Voltage Rating: 600VAC, tested CAT IV Pollution Degree 3, Overvoltage per UL2808.

Output Current: Customer selects when ordering: Select either 1A or 5A and specify the burden and distance to metering instrumentation.

Ratio and Linearity Accuracy: Standard is +/-1% full scale from 5% to 100% but Class 0.5 and Class 0.3 are available meeting Table 201, IEC 61869. Provide burden (VA or resistance) and lead length to instrumentation.

Bandwidth: 40Hz to 60Hz.

Phase Relationship: Arrow points direction of source input current that produces positive output voltage on white wire. H1 is the side to the source, X1 is the high or positive lead.

Temperature Range: -40°C to +70°C.

Construction: Plastic housing 200°C. Designed and tested to UL2808 & CAN/CSA C22.2 No. 61010-1-12.

Lead Wires: 8' twisted black/white, 12AWG, 14AWG or 18AWG, UL1015. Custom lengths are available.

See page 2 for size tables and part numbers.



**SENTRAN
CORPORATION**

1545 Commercial St NE, Salem, OR 97301
Toll Free 888-390-2621/ Local 503-370-7733

STANDARD SIZES UL LISTED, E361441

BASIC PART NUMBER: 5AS-XXXX-Y-WxL XXXX=INPUT FLA AMPS, Y =1A OR 5A, W= WINDOW WIDTH (SEE DIAGRAM BELOW), L= LENGTH UP AND DOWN.

EXAMPLE OF A PART NUMBER: 5AS-3000A:5A-2.5X4.0, XXXX=3000A, Y=5A, W=2.5", L=4.0"

5AS-200A:5A-1.25
5AS-250A:5A-1.25
5AS-300A:5A-1.25
5AS-200A:5A-1.5
5AS-250A:5A-1.5
5AS-300A:5A-1.5
5AS-350A:5A-1.5
5AS-400A:5A-1.5
5AS-200A:5A-1.5x2.0
5AS-250A:5A-1.5x2.0
5AS-300A:5A-1.5x2.0
5AS-350A:5A-1.5x2.0
5AS-400A:5A-1.5x2.0
5AS-200A:5A-1.5x2.5
5AS-250A:5A-1.5x2.5
5AS-300A:5A-1.5x2.5
5AS-350A:5A-1.5x2.5
5AS-400A:5A-1.5x2.5
5AS-500A:5A-1.5x2.5
5AS-600A:5A-1.5x2.5
5AS-200A:5A-1.5x3.0
5AS-250A:5A-1.5x3.0
5AS-300A:5A-1.5x3.0
5AS-350A:5A-1.5x3.0
5AS-400A:5A-1.5x3.0
5AS-500A:5A-1.5x3.0
5AS-600A:5A-1.5x3.0
5AS-800A:5A-1.5x3.0
5AS-1000A:5A-1.5x3.0
5AS-200A:5A-1.5x3.5
5AS-250A:5A-1.5x3.5
5AS-300A:5A-1.5x3.5
5AS-350A:5A-1.5x3.5
5AS-400A:5A-1.5x3.5
5AS-500A:5A-1.5x3.5
5AS-600A:5A-1.5x3.5
5AS-800A:5A-1.5x3.5
5AS-1000A:5A-1.5x3.5
5AS-1200A:5A-1.5x3.5
5AS-1500A:5A-1.5x3.5

5AS-200A:5A-1.5x4.0
5AS-250A:5A-1.5x4.0
5AS-300A:5A-1.5x4.0
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5AS-400A:5A-1.5x4.0
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5AS-1000A:5A-1.5x4.0
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5AS-1500A:5A-1.5x4.0
5AS-1600A:5A-1.5x4.0
5AS-2000A:5A-1.5x4.0
5AS-200A:5A-1.5x5.0
5AS-250A:5A-1.5x5.0
5AS-300A:5A-1.5x5.0
5AS-350A:5A-1.5x5.0
5AS-400A:5A-1.5x5.0
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5AS-4000A:5A-1.5x5.0
5AS-5000A:5A-1.5x5.0
5AS-6000A:5A-1.5x5.0
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5AS-1200A:5A-2.0x3.0
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5AS-3000A:5A-2.0x6.0
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5AS-6000A:5A-3.0x6.0
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5AS-400A:5A-3.0x7.0
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5AS-2000A:5A-3.0x7.0
5AS-3000A:5A-3.0x7.0
5AS-4000A:5A-3.0x7.0
5AS-5000A:5A-3.0x7.0
5AS-6000A:5A-3.0x7.0
5AS-200A:5A-4.0x4.0
5AS-250A:5A-4.0x4.0
5AS-300A:5A-4.0x4.0
5AS-350A:5A-4.0x4.0
5AS-400A:5A-4.0x4.0
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5AS-600A:5A-4.0x4.0
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5AS-1200A:5A-4.0x4.0
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5AS-4000A:5A-4.0x4.0

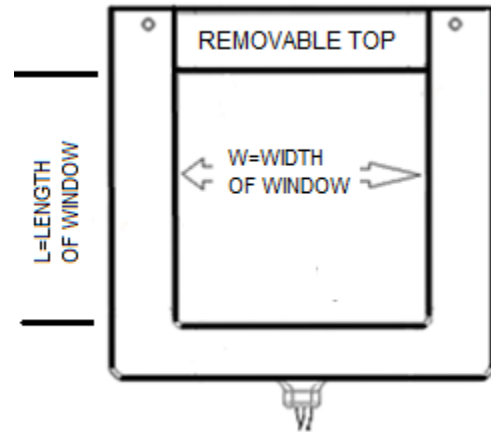
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5AS-4000A:5A-4.0x7.0
5AS-5000A:5A-4.0x7.0
5AS-6000A:5A-4.0x7.0
5AS-200A:5A-4.0x8.0
5AS-250A:5A-4.0x8.0
5AS-300A:5A-4.0x8.0
5AS-350A:5A-4.0x8.0
5AS-400A:5A-4.0x8.0
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5AS-6000A:5A-4.0x8.0
5AS-200A:5A-5.0x5.0
5AS-250A:5A-5.0x5.0
5AS-300A:5A-5.0x5.0
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5AS-5000A:5A-6.0x8.0
5AS-6000A:5A-6.0x8.0
5AS-200A:5A-8.0x8.0
5AS-250A:5A-8.0x8.0
5AS-300A:5A-8.0x8.0
5AS-350A:5A-8.0x8.0
5AS-400A:5A-8.0x8.0
5AS-500A:5A-8.0x8.0
5AS-600A:5A-8.0x8.0
5AS-800A:5A-8.0x8.0
5AS-1000A:5A-8.0x8.0
5AS-1200A:5A-8.0x8.0
5AS-1500A:5A-8.0x8.0
5AS-1600A:5A-8.0x8.0
5AS-2000A:5A-8.0x8.0
5AS-3000A:5A-8.0x8.0
5AS-4000A:5A-8.0x8.0
5AS-5000A:5A-8.0x8.0
5AS-6000A:5A-8.0x8.0



1545 Commercial St NE, Salem, OR 97301
Toll Free 888-390-2621/ Local 503-370-7733