

Model 4AS3

AC Current Input, 60 to 400Hz



SENTRAN
Corporation

Medium Accuracy = 1.5% Split Bus Bar Transformer mVAC Out 600VAC Rated

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- Choose from Standard 67 Windows
- Many Standard Ranges per Window
- Select 100A to 3000A FS Input
- Select 1000, 2000 or 3000:1 Turns Ratio
- No Exposed Core or Internal Parts
- Low Phase Displacement
- 200% Over range Capability
- Output Limit Protection
- ETL Recognized Per UL506



The 4AS3 was designed to provide low current output using standard turns ratio so that the customer can select burden resistor to provide desired interface voltage (up to 5V AC). Customer selects full scale input current and window size. Standard phase displacement is typically 1.5° but depends on the burden resistor used. The CT has a 200% over range capability. The 4LS3 can be installed over bus bar conductors or multi conductor cables.

SPECIFICATIONS: (SENTRAN reserves the right to change specifications without prior notice)

Input Current: AC current, sinewave, single phase 50/60Hz, load power factor 0.5 to 1.0 lead or lag.

Voltage Rating: 600Vac. Tested Per ANSI C57.13 BIL 10KV AC Full Wave for 60 seconds.

Bandwidth: 10Hz to 400Hz.

Turns Ratios Available: 1000:1, 2000:1, 3000:1. Accuracy is better with larger turns ratio.

Output Limiting: Internal back-to-back 20V zener diodes

Ratio and Linearity Accuracy: Will get about 1% at full scale if 1% burden resistor is used.

+/-1.5% from 5% to 200% of scale, +/-2 to 2.5% down to 1% of scale. Sentran can adjust out the ratio error if external burden is know and customer orders.

Phase Displacement: Typically +/- 1.5 degrees but varies with different burden resistors.

Phase Arrow: Arrow points direction of source input current that produces positive output on white wire.

Output Resistance: < 100 Ohms

Interface Resistance: Customer burden resistor

Temperature Response: Less than 0.05% from -20oC to +50oC.

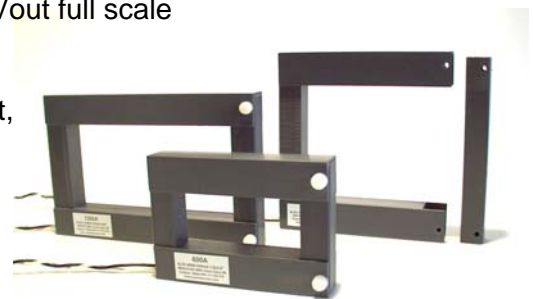
Construction: Plastic and/or potted housing. UL506 and ANSI C57.13

Lead Wires: Black and White 20 AWG UL1015, 600V, 105oC

How To Order: Make Part Number 4AS3-Input Amps: Output volts –Window

Example: 4LS3-3000A:333mV-1"X4" is a 3000A CT with 333mVout full scale and 1"X4"window. Window can be any size up to 12" by 12".

Outside Dimensions: Depends on the full scale input current, and turns ratio ordered. Generally, the outside dimensions are 2.0" larger than the window size. The large window with high input current units can be 2.5" larger than the window. The thickness will vary from 1 to 1.25".



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