

# Model 2AS/2VS

## Toroidal Current Transformer

### 2AS (Amps Out), 2VS (Volts Out)

Made in the USA

- UL 2808 Listed E361441
- Input 10A to 400A
- Output 100mV, 250mV, 333mV etc.
- Accuracy Class 1.0
- Window Sizes 0.1



The Model 2AS / 2VS are indoor type toroidal current transformers, meeting the requirements of UL2808 and CSA 61010-1 2<sup>nd</sup> Edition (accessory for UL listed energy monitoring equipment). Rated for use in Measurement Category Class III environments. All units can be potted using UL recognized potting compound for outdoor use. The case is high temperature UL recognized plastic. The 2VS is provided with an internal burden resistor for a calibrated output voltage. The 2AS is a ratio type 0.1A output current for use with an external burden resistor. The current transformers are provided with up to 8' black and white twisted MTW 18AWG UL1015 leads rated to 600VAC.

### Specifications

<i>Input Current</i>	400AC current max, sinewave, single phase 50/60Hz
<i>Voltage Rating</i>	600VAC RMS
<i>Bandwidth</i>	50Hz and 60Hz
<i>Output Voltage (2VS)</i>	100mV, 250mV, 333mV, 500mV, 1VAC
<i>Output Current (2AS)</i>	Turns ratio set for 0.1A output into customer provided burden resistor
<i>Output Limiting</i>	Output is limited by internal transformer
<i>Phase Displacement</i>	1° maximum is standard – can be adjusted lower
<i>Ratio and Linearity Accuracy</i>	Class 1 per IEC 60869, Table 201
<i>Burden Interface</i>	Must be provided when ordering 2AS model
<i>Output Resistance (2VS)</i>	Less than 200Ω - for high Z termination
<i>Temperature Range</i>	-40°C to 55°C, can be used up to 90°C for industrial control panels
<i>Altitude / Pollution / Humidity</i>	Up to 2000 meters / 2 / to 95% non-condensing
<i>Continuous Current Rating Factor</i>	1.0 or sometimes shown as 1X, 2X rated available
<i>Construction</i>	Molded or milled high temp. UL plastic and/or potted construction per UL requirements
<i>Lead Wires</i>	Unless specified, 8ft. twisted black and white, 18AWG MTW, UL1015, 600V, 105°C

PART NUMBER	XXX=FLA YYY=OUT	WINDOW SIZE
2AS-XXX-YYY-W	10A-400A=FLA 0.1A=OUT	0.5-4.0"
2VS-XXX-YYY-W	10A-400A=FLA 100-1000mV	0.5-4.0"
2AS-XXX-YYY-W	10A-400A=FLA 0.1A=OUT	0.5-4.0"
2VS-XXX-YYY-W	10A-400A=FLA 100-1000mV	0.5-4.0"