

Model 2AN/2VN

Toroidal Current Transformer
2AN (Amps Out), 2VN (Volts Out)

- 0.5% Accuracy Standard
- 0.2% Accuracy Optional
- Low Phase Shift
- Current Ranges 10A to 400A
- Output Voltages 100mV to 1000mV
- Output Current of 0.1A
- Window Sizes up to 2.5" ID
- UL Listed



The Model 2VN and 2AN are precision revenue-grade indoor toroidal current transformers for accuracy Class 0.2 applications. The CTs Meets the requirements of [UL2808](#) and [CSA 61010-1 2nd Edition](#). In addition, this product is rated for use in Measurement Category Class III environments. Also for outdoor applications, the 2VN and 2AN current transformers can be potted for outdoor applications. For the 2VN millivolt output model, an internal precision resistor is used to provide a calibrated output. The 2AN has a ratio type of up to 0.333A output current for use with an external burden resistor. The lead length from the 2AN to the meter could change the calibration. Therefore, the toroidal CT's are calibrated using standard 8' black / white twisted MTW 18AWG UL1015 leads rated to 600VAC.

Input Current	400AC current max, sine wave, single pahase 50/60Hz
Voltage Rating	600VAC RMS
Bandwidth	50Hz and 60Hz
Output Voltage (2VN)	100mV, 250mV, 33mV, 500mV, 1VAC
Output Voltage (2AN)	Turns ratio set for 0.1A output into customer provided burden resistor
Standard Accuracy Class	Class 0.5% per IEC61869
Optional Accuracy Class	Class 0.2 per IEC61869
Output Resistance (2VN)	Less than 200Ω - For high Z termination
Temperature Range	-40°C to 60°C
Altitude	Up to 2000 meters
Pollution Degree	2
Temperature Coefficient	Less than 0.05% from -40°C to 100°C
Continuous Current Rating Factor	1.0 or sometimes shown as 1X
Construction	Molded or milled high temp UL plastic and/or potted construction per UL requirements
Lead Wires	Unless specified, 8ft. twisted black and white, 18AWG MTW, UL1015, 600V, 105°C

