



# SPLIT-CORE AC CURRENT TRANSFORMER

## Model CT104SMV



- Millivolt AC Output, 4160VAC Rated
- Potted Construction
- Accuracy +/- 1% Full scale as calibrated
- 2"x2" to 8"x8" Windows
- Input Range 100A to 4000A
- 20KV High voltage leads

Bicron's Split-Core AC Current Transformer is a 4160VAC rated AC input split CT that includes an internal burden resistor which determines the output from a range of 250mVAC to 1000mVAC. The CT is encapsulated internally and potted. We also offer current ratio types with milliamp output which include an extra burden resistor. Insulated high voltage leads rated up to 10,000 volts minimum are included.

PRODUCT SPECIFICATIONS	
<b>Input Current</b>	AC current, sinewave, single phase 50/60/400Hz
<b>Voltage Rating</b>	4160VAC
<b>Output Current</b>	250mV, 333mV, 500mV, or 1000m, VAC output. <i>Turns ratios of 1000:1, 2000:1 or 3000:1 require special arrangements</i>
<b>Ratio and Linearity Accuracy</b>	Set to 1% midscale at +/- 1% at full scale and 2.0% down to 10% of scale
<b>Bandwidth</b>	50Hz to 60Hz
<b>Resistor at Receiver</b>	Millivolt output type must be interface into impedance of at least 10,000 ohms
<b>Temperature Effects</b>	Less than 0.05% from -20° C to +50° C
<b>Temperature Range</b>	-40°C to 70°C
<b>Construction</b>	PVC, ABS and potted housing for indoor type 1 rating designed to meet UL506
<b>Lead Wires</b>	8 Foot twisted, 10,000V (or higher) Black/White, UL rated

### Typical Window Sizes:

Window (square inches)	Length (inches)	Width (inches)	Height (inches)
2.0	3.5	3.8	1
2.5	4.0	5.3	1
3.0	4.5	5.5	1
3.5	5.0	5.5	1
4.0	5.5	6.0	1
4.5	6.0	6.5	1.1
5.0	6.5	7.5	1.25
6.0	7.0	9.0	1.25

