



MEDIUM VOLTAGE INSTRUMENT CURRENT TRANSFORMER



Model CT105TMV

- For 4160VAC applications
- Built-in shock protection
- Window sizes up to 8"x8"
- Accuracy Class 1.0 standard
- Accuracy Class 0.5, 0.3 optional
- Overvoltage category IV (CAT IV)

Bicron's Medium Voltage Instrument Current Transformers are internally encapsulated and potted for use in 4160VAC applications. Each CT has a slip cover (shroud) and 20kV lead wires to protect the internal components from shock. The ratio accuracy Class 1.0 (+/- 1%) at full scale is standard. Optional accuracies of 0.5% or 0.3% are available by special order. The accuracy standard used is ANSI C57.13-2008. A VA burden value must be provided when ordering lead lengths.

PRODUCT SPECIFICATIONS	
Input Current	AC current, sine wave, single phase 50/60Hz
Voltage Rating	4160VAC, tested CAT IV Pollution 3, Overvoltage designed to meet UL2808
Output Current	5A or 1A. Must specify burden (VA) and distance to metering instrumentation
Ratio and Linearity Accuracy	1.0% from 5% to 100% of scale standard
Optional Accuracies	Classes 0.5 and 0.3 are available
Bandwidth	40Hz to 60Hz
Phase Relationship	Label to face current source, white wire is positive output. H1 to source, X1 high
Temperature Range	-40°C to 70°C
Construction	Plastic polycarbonate housing 200°C. Internally potted or encapsulated
Lead Wires	8ft. black and white, 14AWG, rated 5kV or higher