



SPLIT CORE CURRENT TRANSFORMER



Model CT104S

- Five window sizes: 0.5", 0.75", 1.0", 1.25", 1.5"
- Accuracy Class 1.0 standard
- Available in Class 0.5
- Designed to meet UL2808, CAT III, XOBA

Bicron's CT104S series split core CTs are offered in five window sizes designed for installation on insulated conductors. The millivolt output version features an internal calibration resistor to set the output voltage. The milliamp version has an internal transient voltage suppressor that limits output to a safe level. Designed to CAT III for field installation.

PRODUCT SPECIFICATIONS	
Input Current	AC current, sine wave, single phase 50/60Hz
Voltage Rating	600VAC, CAT III
Bandwidth	50Hz to 400Hz
Output Voltage	100mV, 250mV, 333mV, 500mV, 1VAC
Output Current	Up to 333mA Max
Output Limiting	14V peak Transient Voltage Suppressor (TVS)
Standard Accuracy	Class 1 per Table 201 IEC 61869
Optional Accuracy	Class 0.5 per Table 201 IEC 61869
Output Resistance (Voltage Output)	100Ω typical
Interface Resistance	Must be >100kΩ
Temperature Range	-40°C to 70°C
Continuous Current Rating Factor	1X
Altitude	Up to 2000 meters
Pollution Degree	2
Temperature Coefficient	Less than 0.05% from -40°C to 100°C
Construction	Molded or milled high temp UL plastic and/or potted construction designed to meet UL requirements
Lead Wires	Unless otherwise specified, 8ft. twisted black and white, 18AWG, MTW, per UL1015, 600V, 105°C

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Size Chart

Model CT104S Options	W	A	B	C
Model CT104S50-XXXXXX Primary current options: 10, 20, 30, 50, 75 AMPS	0.5in 12.7mm	2.69in 68mm	2.4in 60.9mm	1.10in 27.9mm
Model CT104S75-XXXXXX Primary current options: 10, 20, 30, 50, 75, 100 AMPS	0.75in 19mm	2.69in 68mm	2.4in 60.9mm	0.94in 23.8mm
Model CT104S100-XXXXXX Primary current options: 10, 20, 30, 50, 75, 100, 150, 200, 250, 300 AMPS	1.0in 25.4mm	3.24in 82.3mm	2.87in 72.9mm	1.11in 28.2mm
Model CT104S125-XXXXXX Primary current options: 10, 20, 30, 50, 75, 100, 150, 200, 250, 300, 400 AMPS	1.25in 31.7mm	3.22in 81.7mm	3.31in 84mm	1.14in 28.9mm
Model CT104S150-XXXXXX Primary current options: 10, 20, 30, 50, 75, 100, 150, 200, 250, 300, 400, 500, 600, 800 AMPS	1.5in 38.1mm	3.75in 95.2mm	3.6in 91.4mm	1.15in 29.2mm

