



RELAY PROTECTION CURRENT TRANSFORMER

RUGGED DESIGN • SPLIT • SOLID • TOROIDAL

Model CT105DF Split • Model CT105DS Solid



- Standard 1 or 5 amp AC out, 600VAC
- Up to C800 rating, many sizes
- Select from 100A to 25,000A input
- Relaying accuracies for “C” and “T”
- Meets C57.13-2008 and other standards
- Medium voltage to 4150V available
- UL 2808 CAT IV on ICTs to 6000A

Bicron’s Relay Protection Instrument Current Transformers (CT) are designed to transform current from the high values that occur in the transmission and distribution systems to low values that can be used for low voltage metering and relay devices. During a system fault or overvoltage transient, the output of the CT is used by a protective relay to initiate an appropriate action to close a breaker or reconfigure the system to protect the rest of the system. Typical outputs are 1A or 5A.

PRODUCT SPECIFICATIONS	
Input Current	AC current, sinewave, single phase 50/60/400Hz
Rating	600VAC, tested CAT IV Pollution 3, Overvoltage per UL2808
Accuracy and Size	See chart below
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	Polycarbonate (200°C) Tested to UL2808 & CAN/CSA C22.2 No. 61010-1-12
Lead Wires	8ft. black and white, 12AWG, 14AWG or 12 or 14 AWG MTW, per UL1015

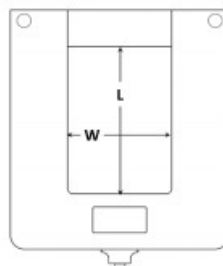
CURRENT TRANSFORMER RELAYING ACCURACY

All relaying accuracies are +/- 10% maximum ratio error when there is 20x current flowing in the CT secondary (20 x 5A = 100A). There are two designations: “C” and “T”.

Designation “C” means “calculate”; CT performance can be accurately calculated.

Designation “T” means “Test”; CT performance must be verified by testing.

Designation	Burden	Power Factor	Secondary Voltage
C10 or T10	0.1Ω	0.5	10V
C20 or T20	0.2Ω	0.5	20V
C50 or T50	0.5Ω	0.5	50V
C100 or T100	1.0Ω	0.5	100V
C200 or T200	2.0Ω	0.5	200V
C400 or T400	4.0Ω	0.5	400V
C800 or T800	8.0Ω	0.5	800V



Required Customer Input at Time of Order
• Input Current
• 1A or 5A Output
• Width
• Length
• For toroid use ID instead of WxL
• Relay Designation
• Lead length (standard is 8ft)
• Burden (VA) of the meter