

# Split Core Current Transformer

## CR3100 Series



CR3110-3000



CR3111-3000

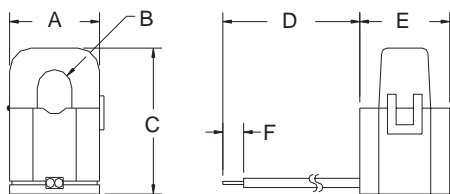
### PART NUMBER

**CR3110 - 3000      75 Amp**  
**CR3111 - 3000      100 Amp**

### SPLIT CORE CURRENT TRANSFORMERS

Part Number	I <sub>r</sub>	V <sub>max</sub> RMS	T <sub>e</sub> (typ.)	DCR	Frequency
CR3110-3000	75	15	3100	515	20 - 1 KHz
CR3111-3000	100	19	3150	370	20 - 1 KHz

### OUTLINE DRAWING



PART NUMBER	A	B	C	D	E	F
CR3110-3000	1.04	0.40	1.58	6.00	1.04	0.24
CR3111-3000	1.27	0.58	1.63	6.10	1.27	.20

The **CR3100** Series Split Core Current Transformer is designed to provide a low cost method to monitoring electrical current. A unique hinge and locking snap allows attachment without interrupting the current-carrying wire. High secondary turn will develop signals up to 10.0 VAC across a burden resistor.

### Applications

Portable Instruments  
 Sub-Metering  
 Monitor Motor Loads

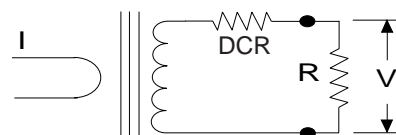
### Features

Small Size  
 Low Cost  
 High Secondary Turns  
 Secure Locking Hinge

### Specifications

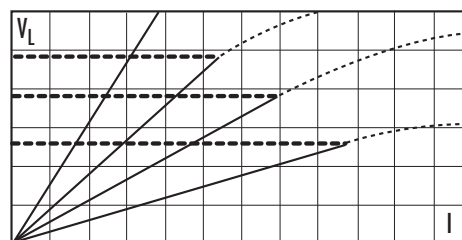
Maximum Continuous Primary Current: 75 AAC  
 Secondary Turns: 3000  
 Wire Lead: AWG #22  
 DC Resistance: 460 Ohms @ 20° C  
 Frequency: 50/60 Hz

### Regulatory Agencies



$$V = \frac{I \times R}{T_e} \quad V_L = V_{max} - \left[ \frac{I \times DCR}{T_e} \right]$$

For best linearity, choose R such that  $V < 0.8 V_L$



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CR Magnetics, Inc. 3500 Scarlet Oak Blvd. St. Louis MO USA 63122 V: 636-343-8518 F: 636-343-5119

Web: <http://www.crmagnetics.com>

E-mail: [sales@crmagnetics.com](mailto:sales@crmagnetics.com)