# **CR3100 Series**









CR3111-3000

CR3113-2000

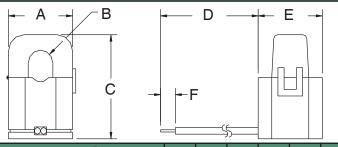
PART NUMBERS					
CR3109 - 1500	30 AMP				
CR3110 - 3000	75 AMP				
CR3111 - 3000	100 AMP				
CR3113 - 2000	150 AMP				

## **CORE CURRENT TRANSFO**

Part Number	lmax	Vmax RMS	Te (typ.)	DCR $\Omega$	Frequency
CR3109-1500	30	5	1510	187	20 - 1 KHz
CR3110-3000	75	15	3100	515	20 - 1 KHz
CR3111-3000	100	19	3150	390	20 - 1 KHz
CR3113-2000	150	16	2125	58	20 - 1 KHz

 $\mathbf{I}_{\mathbf{\Gamma}} = \mathsf{Maximum}$  Input Current to be linearly sensed  $\mathbf{V}_{\mathbf{Max}} = \mathsf{Maximum}$  Voltage (Saturation) CT will develop T\_ = Effective turns ratio including losses (All Specifications tested at 60 Hz)

# OUTLINE DRAWING



Part Number	A	В	C	D	E	F
CR3109-1500	0.76 (19.2)	0.19 (4.90)	1.24 (31.5)	6.10 (1.55)	0.82 (20.8)	0.20 (5.08)
CR3110-3000	1.00 (25.5)	0.40 (10.2)			1.04 (26.5)	0.24 (6.10)
CR3111-3000		0.62 (15.7)		6.10 (155)	1.22 (31.0)	
CR3113-2000	2.68 (68.7)	0.98 (24.9)	2.56 (65.0)		0.72 (18.4)	0.20 (5.08)

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

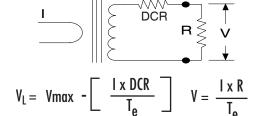
#### **Specifications**

**Maximum Continuous Primary Current** 4 X Ir Insulation Voltage 3500 Vac/1min -45°C thru +85°C Storage Temp. -40°C thru +65 °C Operating Temp.

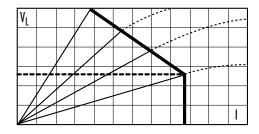
### **Regulatory Agencies**







For best linearity, choose R such that  $V < 0.8 \; V_{I}$ 





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