



# Bird Dog Plus—Model 6000

## In-Service Tester for CT's and Secondary Circuits and All Meters

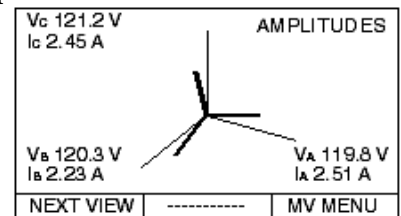
(Including CT-Rated, Self-Contained, and Residential)

**Now lost revenue can be quickly and easily identified by testing your meter circuits and meters, including CT-rated, 3 phase self-contained, & residential meters! Weighs less than 12 lbs!\***

This new and exciting true 3 phase Bird Dog Plus enables you to determine the accuracy of **any** meter in the field--from Form 1 through Form 17. Electronic sensors allow you to automate the test to gain the highest possible accuracy. The process is fast, simple, and much less expensive than a portable test board for the meter test and still tests your CTs and secondary circuits.

- Meter verification accuracy better than 0.2% direct connect
- All probes and sensors pre-connected—no need to connect or disconnect probes
- Live 3 phase vector plot on the screen of the Bird Dog Plus
- Save .pdf files & e-mail reports direct from SpinGraph
- 3 Small I Probes—0.75" Inside Diameter—0.5 to 100 Amps
- 3 Large I Probes—2" Inside Diameter—10 to 1000 Amps
- 3 Duckbill Connectors for direct connection to your meter circuit
- Perform a **single** meter verification test on all self-contained meters
- You can also perform a **single** meter verification test on **all** CT rated meters
- Tests residential meters
- Demand Test for kWh, kVARh, & kVAh--From 1 to 60 minutes demand intervals
- Lithium ion battery for longer life
- Weighs less than 12 pounds without probes\*
- Lifetime product support at no additional charge!
- Option: 1500 High Voltage Kit for testing primary CT's and overhead installations

Per ANSI C-12.1-2008 using Method 3 (5.1.5.3)



**ALL OF THIS → FITS INTO THIS!**

**Spinlab Utility Instrumentation, Inc.**

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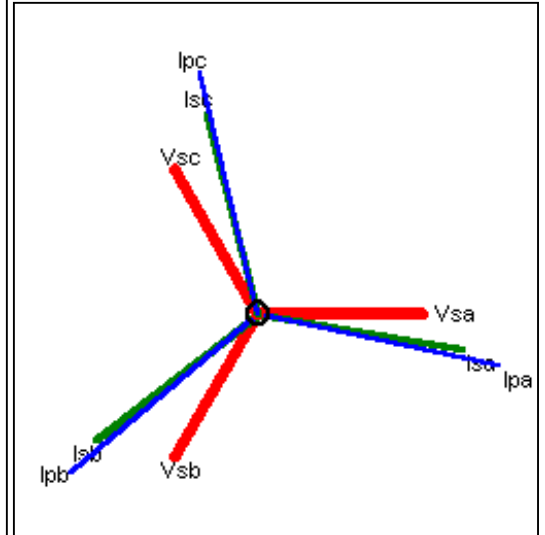
# System (Meter & Meter Circuit)

## River Bend Test Site

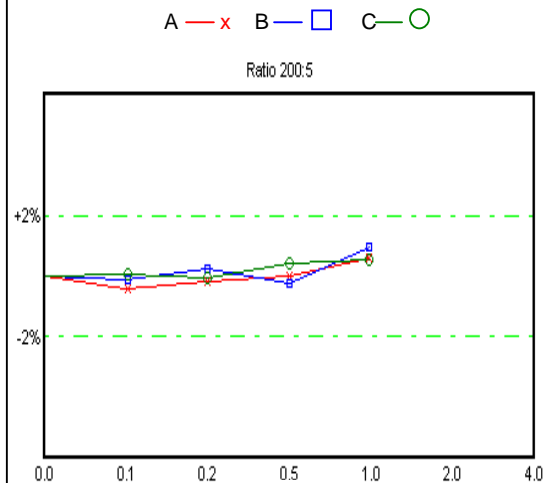
**Location:** CB5720      **Meter Type:** Form 9, 4 Wire Wye (3S-3IC)  
**Date:** 12/02/2008      **Rotation:** ABC  
**Comment:**                      **Screen:** Composite

Phase	A	B	C	System
Time	08:37:30	08:37:30	08:37:30	
<b>General</b>				
Vs	120.9	119.9	119.6	
Is	1.526	1.596	1.486	
Ip	60.61	62.71	58.97	
φ Vs-Is	9.9	22.2	15.8	
φ Ip-Is	357.9	2.6	359.4	
φ Vsan-Is	9.9	142.2	255.8	
φ Vsan-Ip	13.0	139.6	256.4	
<b>Harmonics</b>				
THD Voltage %	2.2	2.2	2.3	
THD Current %	7.3	6.6	2.6	
<b>Power</b>				
kW	0.18021	0.17976	0.16963	0.52961
kVAR	0.03951	0.06560	0.05306	0.15817
kVA	0.18449	0.19136	0.17774	0.55272
TPF	0.977 lg	0.939 lg	0.954 lg	0.958 lg
DPF	0.985 lg	0.926 lg	0.962 lg	0.961 lg
<b>Meter Verification</b>				
Bird Dog (kWh)				0.0036025
Meter (kWh)				0.0036000
Time (Seconds)				46.71
P/R Setting				2
kH				1.8
Pulses per Rev				12
kVAh				0.0036048
Sensor Type				IR Sensor
% Accuracy				99.9%
Favors				Customer
<b>Meter Circuit</b>				
Ratio No Burden	201.5	203.5	201.6	
Rated Burden	1.0	1.0	1.0	
Burden Results	As Rated	As Rated	As Rated	
% Accuracy	99.2	98.2	99.2	98.9%
Favors	Customer	Customer	Customer	Customer
<b>System Error (Meter and Meter Circuit Combined)</b>				
% Accuracy	99.1	98.3	99.1	98.8%
Favors	Customer	Customer	Customer	Customer
Utility Gain/Loss				(\$1,440.00)
				per 12 Months

Vector Plot



Ratio/Burden Graph



Accuracy Summary

