



***** Calibration Certificate ***** Calibration Certificate ***** Calibration Certificate *****

May 9, 2012

Summit Technology
 2717 North Main St
 Suite 15

Dear :

The following PowerSight meter was calibrated:

Serial Number: 04500
Model Number: PS4500
Current Probe Type: HA1000
Calibration Date: May 9, 2012

Using the following test equipment:
 Valhalla Scientific 2703 AC Voltage Standard
 Valhalla Scientific 2555A AC/DC Current Calibrator
 Hewlet Packard 34401A Digital 6-1/2 Digit Multi-Meter

All pieces of test equipment have been calibrated within the last year by an accredited calibration laboratory with NIST traceable standards.

Calibration was made using pure voltage and current 60 Hz sine waves. Current measurements were done using the supplied current probes, if available, or equivalent.

Each setting was run for 30 seconds and the average value over that period is recorded

Acceptable accuracy for the meter is:

- Vrms reading: +/- 0.1% of reading, +/- 2 LSDs (least significant digits)**
- Arms reading: +/- 0.5% of reading, +/- 2 LSDs (least significant digits) with HA1000**
- Wrms reading: +/- 0.6% of reading, +/- 2 LSDs (least significant digits) with HA1000**

Input Vrms	Acceptable Range	Average Measurement			Unadjusted Error			Error +/- 2 LSDs		
		Phase A	Phase B	Phase C	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C
1	+/- 0.2 V	1.0	1.0	1.0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
60	+/- 0.2 V	60.0	60.0	60.0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
120	+/- 0.3 V	120.0	120.0	120.0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
277	+/- 0.4 V	277.0	277.0	277.0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
600	+/- 2 V	600	600	600	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Input Arms	Acceptable Range	Average Measurement			Unadjusted Error			Error +/- 2 LSDs		
		Phase A	Phase B	Phase C	Phase A	Phase B	Phase C	Phase A	Phase B	Phase C
1	+/- 0.2 A	1.0	1.0	1.0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
50	+/- 0.4 A	50.0	50.0	50.0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
200	+/- 1.2 A	200.0	200.0	200.0	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
500	+/- 4 A	500.0	500	500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
1000	+/- 7 A	1000	1000	1000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

120 Vrms, 200 Arms			Average Measurement in Log				Error of Log +/- 2 LSDs			
P.F.	Watts	Acceptable	Phase A	Phase B	Phase C	Total	Phase A	Phase B	Phase C	Total
1.00	24,000	+/- 164 W	24,000	24,000	24,000	72,000	0.00%	0.00%	0.00%	0.00%
0.50	12,000	+/- 92 W	12,000	12,000	12,000	36,000	0.00%	0.00%	0.00%	0.00%