

From: "Kevin Carigon" <kevcarigon@gmail.com>

To: "Michael D. Dougherty" <doughertymd@cityofcf.com>

Sent: Monday, September 12, 2016 6:17:12 PM

Subject: WECO test board,shop testing meters

Mr. Dougherty,

Even though you have the test reports for the testing that we did on 9-6-16, I Will give you an overview of the results.

The average accuracy of the single phase meters at the full load test(30 amps) was 100.056, and the light load test (3 amps) was 100.065. Both the tests were well within the standard revenue metering accuracy limits .3%. (3 tenths of one per cent).

As far as the WECO board, it was right on the money as the test results show, which is no surprise to us. I would recommend this test board to any meter shop, if taken care of and tested regularly it should last for

years. I would recommend that you test the board every two years given the amount of meters that you test.

Michael if you have any questions please give me a call, thank you Kevin

KEVIN CARIGON

Kevin's Meter Testing

Cell. 989-350-3360

Work Ph 989-785-2676

Standards Compare

Test Board Serial No: 4376

Test Date: 09/06/2016

Report Date: 09/06/2016

Filename: 090616.psr

Mode: Watthours

Standard No: 201182

External Master

Element: A Phase

External Std No: 5713

Amps	120.0 Volts		240.0 Volts		277.0 Volts		480.0 Volts	
	0'	60'	0'	60'	0'	60'	0'	60'
0.25	0.006	0.012	0.009	0.012	0.008	0.005	0.009	0.006
0.50	0.012	0.012	0.015	0.018	0.010	0.013	0.012	0.009
1.50	0.010	0.012	0.011	0.013	0.012	0.007	0.011	0.008
2.50	0.007	0.021	0.010	0.011	0.012	0.013	0.013	0.010
3.00	0.011	0.017	0.012	0.009	0.012	0.010	0.012	0.009
5.00	0.009	0.005	0.013	0.009	0.012	0.009	0.013	0.009
15.00	0.008	0.012	0.009	0.008	0.011	0.012	0.011	0.006
30.00	0.008	0.012	0.011	0.013	0.013	0.013	0.012	0.009
50.00	0.009	0.006	0.009	0.009	0.012	0.009	0.009	0.004
Average:	0.009	0.012	0.011	0.011	0.011	0.010	0.011	0.008
Max:	0.012	0.021	0.015	0.018	0.013	0.013	0.013	0.010
Min:	0.006	0.005	0.009	0.008	0.008	0.005	0.009	0.004
Std Dev:	0.0019	0.0049	0.0021	0.0031	0.0015	0.0029	0.0015	0.0020

Overall	0'	60'
Average:	0.011	0.010
Max:	0.015	0.021
Min:	0.006	0.004
Std Dev:	0.0029	

Standards Compare

Test Board Serial No: 4376

Test Date: 09/06/2016

Report Date: 09/06/2016

Filename: 090616.psr

Mode: Watthours

Standard No: 201182

External Master

Element: C Phase

External Std No: 5713

Amps	120.0 Volts		240.0 Volts		277.0 Volts		480.0 Volts	
	0'	60'	0'	60'	0'	60'	0'	60'
0.25	0.000	0.012	0.003	0.000	0.000	0.005	0.009	0.006
0.50	0.003	0.012	0.006	0.006	0.008	0.008	0.006	0.003
1.50	0.003	0.004	0.003	0.005	0.005	0.002	0.005	0.002
2.50	0.005	0.007	0.007	0.009	0.007	0.006	0.007	0.005
3.00	0.004	0.007	0.006	0.007	0.007	0.008	0.007	0.006
5.00	0.004	0.005	0.006	0.005	0.006	0.004	0.006	0.004
15.00	0.002	0.005	0.005	0.005	0.005	0.004	0.006	0.004
30.00	0.004	0.009	0.006	0.007	0.007	0.012	0.006	0.007
50.00	0.002	0.003	0.004	0.003	0.005	0.003	0.005	0.001
Average:	0.003	0.007	0.005	0.005	0.006	0.006	0.006	0.004
Max:	0.005	0.012	0.007	0.009	0.008	0.012	0.009	0.007
Min:	0.000	0.003	0.003	0.000	0.000	0.002	0.005	0.001
Std Dev:	0.0015	0.0033	0.0015	0.0026	0.0024	0.0031	0.0012	0.0020

Overall	0'	60'
Average:	0.005	0.006
Max:	0.009	0.012
Min:	0.000	0.000
Std Dev:	0.0025	