

Discharge Current Accuracy

Analyzer Current Reading	Measured Current Channel 1	Measured Current Channel 2	Measured Current Channel 3	Measured Current Channel 4	0.1%+10mA
10.000	10.01	9.99	9.99	10.02	20
9.000	9.01	8.99	8.99	9.01	19
8.000	8.00	8.00	8.00	8.01	18
7.000	7.00	7.00	7.00	7.00	17
6.000	6.00	6.00	6.01	6.00	16
5.000	5.00	5.00	5.00	5.00	15
4.000	4.000	4.005	4.006	4.003	14
3.000	3.003	3.007	3.007	3.004	13
2.000	2.004	2.007	2.007	2.003	12
1.000	1.004	1.005	1.005	1.003	11
0.500	0.504	0.505	0.503	0.503	11
0.250	0.254	0.254	0.252	0.252	10
0.100	0.104	0.104	0.102	0.101	10
0.080	0.084	0.084	0.081	0.081	10
0.060	0.064	0.064	0.061	0.061	10
0.040	0.044	0.044	0.041	0.041	10
0.020	0.024	0.024	0.021	0.021	10
0.000	0.007	0.007	0.007	0.006	10

Notes: 1) Battery used for testing was 12.0V, 14.4Ahr, SLA
 2) Charge current accuracy will be very similar

1.2V Range Voltmeter Accuracy

Channel 1	Measured	Analyzer	Error	0.1%+20mV
0.1	1.385	1.385	0.000	21
-0.1	1.381	1.378	-0.003	21
4.0	1.445	1.432	-0.013	21
-4.0	1.290	1.294	0.004	21
8.0	1.525	1.530	0.005	22
-8.0	1.240	1.235	-0.005	21
Channel 2				
0.1	1.381	1.379	-0.002	21
-0.1	1.377	1.372	-0.005	21
4.0	1.430	1.426	-0.004	21
-4.0	1.280	1.274	-0.006	21
8.0	1.550	1.560	0.010	22
-8.0	1.260	1.242	-0.018	21
Channel 3				
0.1	1.380	1.375	-0.005	21
-0.1	1.376	1.372	-0.004	21
4.0	1.420	1.400	-0.020	21
-4.0	1.275	1.283	0.008	21
8.0	1.575	1.562	-0.013	22
-8.0	1.270	1.271	0.001	21
Channel 4				
0.1	1.379	1.375	-0.004	21
-0.1	1.375	1.372	-0.003	21
4.0	1.400	1.383	-0.017	21

-4.0	1.265	1.275	0.010	21
8.0	1.600	1.581	-0.019	22
-8.0	1.300	1.309	0.009	21

Note: 1) Battery used for testing was a 1.2V, 8.0Ahr, NiMH

3.6V Range Voltmeter Accuracy

Channel 1	Measured	Analyzer	Error	0.1%+20mV
0.1	3.721	3.726	0.005	24
-0.1	3.717	3.723	0.006	24
4.0	3.780	3.767	-0.013	24
-4.0	3.600	3.618	0.018	24
8.0	3.960	3.948	-0.012	24
-8.0	3.600	3.608	0.008	24
Channel 2				
0.1	3.720	3.721	0.001	24
-0.1	3.717	3.717	0.000	24
4.0	3.790	3.785	-0.005	24
-4.0	3.600	3.605	0.005	24
8.0	3.950	3.957	0.007	24
-8.0	3.570	3.557	-0.013	24
Channel 3				
0.1	3.720	3.720	0.000	24
-0.1	3.717	3.722	0.005	24
4.0	3.795	3.780	-0.015	24
-4.0	3.603	3.624	0.021	24
8.0	3.940	3.926	-0.014	24
-8.0	3.560	3.574	0.014	24
Channel 4				
0.1	3.721	3.725	0.004	24
-0.1	3.717	3.723	0.006	24
4.0	3.805	3.789	-0.016	24
-4.0	3.610	3.633	0.023	24
8.0	3.920	3.915	-0.005	24
-8.0	3.550	3.570	0.020	24

Note: 1) Battery used for testing was a 3.6V, 14.0Ahr, LiCoO3

12.0V Range Voltmeter Accuracy

Channel 1	Measured	Analyzer	Error	0.1%+20mV
0.1	12.500	12.500	0.000	33
-0.1	12.470	12.480	0.010	32
4.0	12.840	12.823	-0.017	33
-4.0	12.170	12.192	0.022	32
8.0	13.100	13.085	-0.015	33
-8.0	11.980	12.002	0.022	32
Channel 2				
0.1	12.480	12.477	-0.003	32
-0.1	12.470	12.472	0.002	32
4.0	12.820	12.808	-0.012	33
-4.0	12.170	12.168	-0.002	32
8.0	13.080	13.075	-0.005	33
-8.0	11.940	11.937	-0.003	32

Channel 3

0.1	12.480	12.480	0.000	32
-0.1	12.460	12.473	0.013	32
4.0	12.770	12.753	-0.017	33
-4.0	12.140	12.165	0.025	32
8.0	13.050	13.033	-0.017	33
-8.0	11.900	11.929	0.029	32

Channel 4

0.1	12.470	12.473	0.003	32
-0.1	12.450	12.464	0.014	32
4.0	12.730	12.720	-0.010	33
-4.0	12.120	12.144	0.024	32
8.0	12.980	12.975	-0.005	33
-8.0	11.850	11.875	0.025	32

Note: 1) Battery used for testing was a 12.0V, 14.4Ahr, SLA

24.0V Range Voltmeter Accuracy**Channel 1 Measured Analyzer Error 0.1%+20mV**

0.1	25.040	25.010	-0.030	45
-0.1	24.990	24.977	-0.013	45
4.0	26.300	26.265	-0.035	46
-4.0	23.800	23.825	0.025	44
8.0	27.050	27.014	-0.036	47
-8.0	23.100	23.125	0.025	43

Channel 2

0.1	25.000	24.979	-0.021	45
-0.1	24.960	24.958	-0.002	45
4.0	26.300	26.262	-0.038	46
-4.0	23.900	23.881	-0.019	44
8.0	26.940	26.900	-0.040	47
-8.0	23.000	22.978	-0.022	43

Channel 3

0.1	25.000	24.990	-0.010	45
-0.1	24.960	24.970	0.010	45
4.0	26.400	26.360	-0.040	46
-4.0	24.100	24.115	0.015	44
8.0	26.880	26.844	-0.036	47
-8.0	22.900	22.920	0.020	43

Channel 4

0.1	25.000	24.989	-0.011	45
-0.1	24.960	24.970	0.010	45
4.0	26.420	26.390	-0.030	46
-4.0	24.250	24.282	0.032	44
8.0	26.900	26.877	-0.023	47
-8.0	23.000	23.033	0.033	43

Note: 1) Battery used for testing was a 24.0V, 7.2Ahr, SLA

36.0V Range Voltmeter Accuracy**Channel 1 Measured Analyzer Error 0.1%+20mV**

0.1	38.180	38.158	-0.022	58
-0.1	38.000	38.002	0.002	58

	4.0	40.400	40.350	-0.050	60
	-4.0	36.400	36.392	-0.008	56
Channel 2					
	0.1	38.040	37.995	-0.045	58
	-0.1	37.950	37.921	-0.029	58
	4.0	40.200	40.152	-0.048	60
	-4.0	36.300	36.258	-0.042	56
Channel 3					
	0.1	38.000	37.980	-0.020	58
	-0.1	37.900	37.895	-0.005	58
	4.0	40.000	39.955	-0.045	60
	-4.0	36.100	36.100	0.000	56
Channel 4					
	0.1	37.980	37.956	-0.024	58
	-0.1	37.900	37.902	0.002	58
	4.0	39.800	39.760	-0.040	60
	-4.0	36.000	36.026	0.026	56

Note: 1) Battery used for testing was a 36.0V, 7.2Ahr, SLA