

METRIC STANDARD RATING TABLE NO. 2 FOR AA CURRENT METERS (6/99) - VELOCITY IN METERS PER SECOND

TIME IN SECS	REVOLUTIONS																	
	3	5	7	10	15	20	25	30	40	50	60	80	100	150	200	250	300	350
40	0.056	0.089	0.123	0.173	0.257	0.341	0.425	0.509	0.677	0.845	1.013	1.349	1.685	2.526	3.366	4.206	5.046	5.886
41	0.055	0.087	0.120	0.169	0.251	0.333	0.415	0.497	0.661	0.825	0.989	1.317	1.645	2.464	3.284	4.103	4.923	5.742
42	0.053	0.085	0.117	0.165	0.245	0.325	0.405	0.485	0.645	0.805	0.965	1.285	1.605	2.406	3.206	4.006	4.806	5.606
43	0.052	0.084	0.115	0.162	0.240	0.318	0.396	0.474	0.631	0.787	0.943	1.256	1.568	2.350	3.131	3.913	4.694	5.477
44	0.051	0.082	0.112	0.158	0.235	0.311	0.387	0.464	0.616	0.769	0.922	1.227	1.533	2.296	3.060	3.824	4.587	5.351
45	0.050	0.080	0.110	0.155	0.229	0.304	0.379	0.453	0.603	0.752	0.901	1.200	1.499	2.246	2.992	3.739	4.486	5.232
46	0.049	0.078	0.108	0.152	0.225	0.298	0.371	0.444	0.590	0.736	0.882	1.174	1.466	2.197	2.927	3.658	4.388	5.119
47	0.048	0.077	0.106	0.148	0.220	0.291	0.363	0.434	0.577	0.720	0.863	1.149	1.435	2.150	2.865	3.580	4.295	5.010
48	0.047	0.075	0.103	0.145	0.215	0.285	0.355	0.425	0.565	0.705	0.845	1.125	1.405	2.105	2.806	3.506	4.206	4.906
49	0.047	0.074	0.101	0.143	0.211	0.280	0.348	0.417	0.554	0.691	0.828	1.103	1.377	2.063	2.748	3.434	4.120	4.806
50	0.046	0.073	0.100	0.140	0.207	0.274	0.341	0.409	0.543	0.677	0.812	1.081	1.349	2.021	2.694	3.366	4.038	4.710
51	0.045	0.071	0.098	0.137	0.203	0.269	0.335	0.401	0.533	0.664	0.796	1.060	1.323	1.982	2.641	3.300	3.959	4.617
52	0.044	0.070	0.096	0.135	0.199	0.264	0.329	0.393	0.522	0.652	0.781	1.039	1.298	1.944	2.590	3.236	3.882	4.529
53	0.043	0.069	0.094	0.132	0.196	0.259	0.322	0.386	0.513	0.639	0.766	1.020	1.273	1.907	2.541	3.175	3.809	4.443
54	0.043	0.068	0.093	0.130	0.192	0.254	0.317	0.379	0.503	0.628	0.752	1.001	1.250	1.872	2.494	3.117	3.739	4.361
55	0.042	0.067	0.091	0.128	0.189	0.250	0.311	0.372	0.494	0.616	0.739	0.983	1.227	1.838	2.449	3.060	3.671	4.282
56	0.041	0.065	0.089	0.125	0.185	0.245	0.305	0.365	0.485	0.605	0.725	0.965	1.205	1.805	2.406	3.006	3.606	4.206
57	0.041	0.064	0.088	0.123	0.182	0.241	0.300	0.359	0.477	0.595	0.713	0.949	1.184	1.774	2.363	2.953	3.542	4.132
58	0.040	0.063	0.087	0.121	0.179	0.237	0.295	0.353	0.469	0.585	0.701	0.932	1.164	1.743	2.323	2.902	3.481	4.061
59	0.040	0.062	0.085	0.119	0.176	0.233	0.290	0.347	0.461	0.575	0.689	0.917	1.144	1.714	2.283	2.853	3.422	3.992
60	0.039	0.061	0.084	0.117	0.173	0.229	0.285	0.341	0.453	0.565	0.677	0.901	1.125	1.685	2.246	2.806	3.366	3.926
61	0.038	0.061	0.083	0.116	0.171	0.226	0.281	0.336	0.446	0.556	0.666	0.887	1.107	1.658	2.209	2.760	3.310	3.861
62	0.038	0.060	0.081	0.114	0.168	0.222	0.276	0.331	0.439	0.547	0.656	0.873	1.089	1.631	2.173	2.715	3.257	3.799
63	0.037	0.059	0.080	0.112	0.165	0.219	0.272	0.325	0.432	0.539	0.645	0.859	1.072	1.605	2.139	2.672	3.206	3.739
64	0.037	0.058	0.079	0.110	0.163	0.215	0.268	0.320	0.425	0.530	0.635	0.845	1.055	1.580	2.105	2.631	3.156	3.681
65	0.036	0.057	0.078	0.109	0.161	0.212	0.264	0.316	0.419	0.522	0.626	0.833	1.039	1.556	2.073	2.590	3.107	3.624
66	0.036	0.056	0.077	0.107	0.158	0.209	0.260	0.311	0.413	0.515	0.616	0.820	1.024	1.533	2.042	2.551	3.060	3.569
67	0.036	0.056	0.076	0.106	0.156	0.206	0.256	0.306	0.407	0.507	0.607	0.808	1.008	1.510	2.011	2.513	3.014	3.516
68	0.035	0.055	0.075	0.104	0.154	0.203	0.252	0.302	0.401	0.500	0.598	0.796	0.994	1.488	1.982	2.476	2.970	3.464
69	0.035	0.054	0.074	0.103	0.152	0.200	0.249	0.298	0.395	0.492	0.590	0.785	0.979	1.466	1.953	2.440	2.927	3.414
70	0.034	0.053	0.073	0.101	0.149	0.197	0.245	0.293	0.389	0.485	0.581	0.773	0.965	1.445	1.925	2.406	2.886	3.366

EQUATION: $V = (2.2048 R + 0.0178) \times .3048$ (R = Revolutions per second)

CURRENT METER CARE

Rinse Current Meter in clear water as soon as possible after use, then dry with a soft cloth. Never place a wet Current Meter in its case. Lubricate with supplied lubricant after every 8 hours of use or at least weekly, if used infrequently. Lubricate Pivot and Pivot Bearing and Upper Bearing in the Contact Chamber.

A knurled nut beneath the Bucket Wheel provides clearance between the Pivot and Pivot Bearing and protects them during meter storage or transport. The knurled nut has a left hand thread; rotate it counter-clockwise until a resistance is felt and the Bucket Wheel no longer rotates freely. The upper Shaft where the Bucket Wheel mounts now bears against the underside of the Contact Chamber Cap, separating the Pivot and Pivot Bearing. Reverse the procedure to re-union the Pivot and Pivot Bearing during meter use.

Rickly Hydrological Co.

1700 Joyce Avenue • Columbus, Ohio 43219
 PH: 614-297-9877 www.rickly.com
 FAX: 614-297-9878 E-Mail: sales@rickly.com

STANDARD RATING TABLE NO. 2 FOR AA CURRENT METERS (6/99) - VELOCITY IN FEET PER SECOND

TIME IN SECS	REVOLUTIONS																	
	3	5	7	10	15	20	25	30	40	50	60	80	100	150	200	250	300	350
40	0.183	0.293	0.404	0.569	0.845	1.12	1.40	1.67	2.22	2.77	3.33	4.43	5.53	8.29	11.04	13.80	16.55	19.31
41	0.179	0.287	0.394	0.556	0.824	1.09	1.36	1.63	2.17	2.71	3.24	4.32	5.40	8.08	10.77	13.46	16.15	18.84
42	0.175	0.280	0.385	0.543	0.805	1.07	1.33	1.59	2.12	2.64	3.17	4.22	5.27	7.89	10.52	13.14	15.77	18.39
43	0.172	0.274	0.377	0.531	0.787	1.04	1.30	1.56	2.07	2.58	3.09	4.12	5.15	7.71	10.27	12.84	15.40	17.96
44	0.168	0.268	0.369	0.519	0.769	1.02	1.27	1.52	2.02	2.52	3.02	4.03	5.03	7.53	10.04	12.55	15.05	17.56
45	0.165	0.263	0.361	0.508	0.753	0.998	1.24	1.49	1.98	2.47	2.96	3.94	4.92	7.37	9.82	12.27	14.72	17.17
46	0.162	0.257	0.353	0.497	0.737	0.976	1.22	1.46	1.94	2.41	2.89	3.85	4.81	7.21	9.60	12.00	14.40	16.79
47	0.159	0.252	0.346	0.487	0.721	0.956	1.19	1.43	1.89	2.36	2.83	3.77	4.71	7.05	9.40	11.75	14.09	16.44
48	0.156	0.247	0.339	0.477	0.707	0.936	1.17	1.40	1.86	2.31	2.77	3.69	4.61	6.91	9.20	11.50	13.80	16.09
49	0.153	0.243	0.333	0.468	0.693	0.918	1.14	1.37	1.82	2.27	2.72	3.62	4.52	6.77	9.02	11.27	13.52	15.77
50	0.150	0.238	0.326	0.459	0.679	0.900	1.12	1.34	1.78	2.22	2.66	3.55	4.43	6.63	8.84	11.04	13.25	15.45
51	0.147	0.234	0.320	0.450	0.666	0.882	1.10	1.31	1.75	2.18	2.61	3.48	4.34	6.50	8.66	10.83	12.99	15.15
52	0.145	0.230	0.315	0.442	0.654	0.866	1.08	1.29	1.71	2.14	2.56	3.41	4.26	6.38	8.50	10.62	12.74	14.86
53	0.143	0.226	0.309	0.434	0.642	0.850	1.06	1.27	1.68	2.10	2.51	3.35	4.18	6.26	8.34	10.42	12.50	14.58
54	0.140	0.222	0.304	0.426	0.630	0.834	1.04	1.24	1.65	2.06	2.47	3.28	4.10	6.14	8.18	10.23	12.27	14.31
55	0.138	0.218	0.298	0.419	0.619	0.820	1.02	1.22	1.62	2.02	2.42	3.22	4.03	6.03	8.04	10.04	12.04	14.05
56	0.136	0.215	0.293	0.412	0.608	0.805	1.00	1.20	1.59	1.99	2.38	3.17	3.95	5.92	7.89	9.86	11.83	13.80
57	0.134	0.211	0.289	0.405	0.598	0.791	0.985	1.18	1.57	1.95	2.34	3.11	3.89	5.82	7.75	9.69	11.62	13.56
58	0.132	0.208	0.284	0.398	0.588	0.778	0.968	1.16	1.54	1.92	2.30	3.06	3.82	5.72	7.62	9.52	11.42	13.32
59	0.130	0.205	0.279	0.391	0.578	0.765	0.952	1.14	1.51	1.89	2.26	3.01	3.75	5.62	7.49	9.36	11.23	13.10
60	0.128	0.202	0.275	0.385	0.569	0.753	0.936	1.12	1.49	1.86	2.22	2.96	3.69	5.53	7.37	9.20	11.04	12.88
61	0.126	0.199	0.271	0.379	0.560	0.741	0.921	1.10	1.46	1.83	2.19	2.91	3.63	5.44	7.25	9.05	10.86	12.67
62	0.124	0.196	0.267	0.373	0.551	0.729	0.907	1.08	1.44	1.80	2.15	2.86	3.57	5.35	7.13	8.91	10.69	12.46
63	0.123	0.193	0.263	0.368	0.543	0.718	0.893	1.07	1.42	1.77	2.12	2.82	3.52	5.27	7.02	8.77	10.52	12.27
64	0.121	0.190	0.259	0.362	0.535	0.707	0.879	1.05	1.40	1.74	2.08	2.77	3.46	5.19	6.91	8.63	10.35	12.08
65	0.120	0.187	0.255	0.357	0.527	0.696	0.866	1.04	1.37	1.71	2.05	2.73	3.41	5.11	6.80	8.50	10.19	11.89
66	0.118	0.185	0.252	0.352	0.519	0.686	0.853	1.02	1.35	1.69	2.02	2.69	3.36	5.03	6.70	8.37	10.04	11.71
67	0.117	0.182	0.248	0.347	0.511	0.676	0.840	1.01	1.33	1.66	1.99	2.65	3.31	4.95	6.60	8.24	9.89	11.54
68	0.115	0.180	0.245	0.342	0.504	0.666	0.828	0.991	1.31	1.64	1.96	2.61	3.26	4.88	6.50	8.12	9.74	11.37
69	0.114	0.178	0.241	0.337	0.497	0.657	0.817	0.976	1.30	1.62	1.94	2.57	3.21	4.81	6.41	8.01	9.60	11.20
70	0.112	0.175	0.238	0.333	0.490	0.648	0.805	0.963	1.28	1.59	1.91	2.54	3.17	4.74	6.32	7.89	9.47	11.04

EQUATION: $V = 2.2048 R + 0.0178$ (R = Revolutions per second)

CURRENT METER CARE

Rinse Current Meter in clear water as soon as possible after use, then dry with a soft cloth. Never place a wet Current Meter in its case. Lubricate with supplied lubricant after every 8 hours of use or at least weekly, if used infrequently. Lubricate Pivot and Pivot Bearing and Upper Bearing in the Contact Chamber.

A knurled nut beneath the Bucket Wheel provides clearance between the Pivot and Pivot Bearing and protects them during meter storage or transport. The knurled nut has a left hand thread; rotate it counter-clockwise until a resistance is felt and the Bucket Wheel no longer rotates freely. The upper Shaft where the Bucket Wheel mounts now bears against the underside of the Contact Chamber Cap, separating the Pivot and Pivot Bearing. Reverse the procedure to re-unite the Pivot and Pivot Bearing during meter use.

Rickly Hydrological Co.

1700 Joyce Avenue • Columbus, Ohio 43219
 PH: 614-297-9877 www.rickly.com
 FAX: 614-297-9878 E-Mail: sales@rickly.com