



**Ruthenium Oxide Thermometer**  
**Sensor Model: RO600**  
**Calibration Current: 10 microamps**

**Typical Response**

Temp. K	+0.0	+1.0	+2.0	+3.0	+4.0	+5.0	+6.0	+7.0	+8.0	+9.0
0		2327.06	1723.48	1507.58	1394.87	1325.01	1277.29	1242.56	1216.12	1195.31
10	1178.49	1164.61	1152.97	1143.05	1134.51	1127.06	1120.53	1114.74	1109.57	1104.94
20	1100.94	1097.13	1093.63	1090.42	1087.45	1084.70	1082.14	1079.75	1077.51	1075.41
30	1073.43	1071.57	1069.80	1068.13	1066.55	1065.04	1063.60	1062.23	1060.93	1059.67
40	1058.47	1057.32	1056.22	1055.16	1054.13	1053.15	1052.20	1051.28	1050.40	1049.54
50	1048.71	1047.91	1047.13	1046.38	1045.65	1044.94	1044.25	1043.58	1042.93	1042.29
60	1041.67	1041.07	1040.48	1039.91	1039.35	1038.81	1038.28	1037.76	1037.25	1036.75
70	1036.26	1035.79	1035.32	1034.87	1034.42	1033.98	1033.56	1033.14	1032.72	1032.32
80	1031.92	1031.54	1031.15	1030.78	1030.41	1030.05	1029.69	1029.34	1029.00	1028.66
90	1028.33	1028.00	1027.68	1027.37	1027.05	1026.75	1026.45	1026.15	1025.86	1025.57
100	1025.28	1025.00	1024.73	1024.46	1024.19	1023.92	1023.66	1023.40	1023.15	1022.90
110	1022.65	1022.41	1022.17	1021.93	1021.69	1021.46	1021.23	1021.01	1020.78	1020.56
120	1020.34	1020.13	1019.92	1019.71	1019.50	1019.29	1019.09	1018.89	1018.69	1018.49
130	1018.30	1018.11	1017.91	1017.73	1017.54	1017.36	1017.17	1016.99	1016.81	1016.64
140	1016.46	1016.29	1016.12	1015.95	1015.78	1015.61	1015.45	1015.28	1015.12	1014.96
150	1014.80	1014.65	1014.49	1014.33	1014.18	1014.03	1013.88	1013.73	1013.58	1013.44
160	1013.29	1013.15	1013.00	1012.86	1012.72	1012.58	1012.45	1012.31	1012.17	1012.04
170	1011.91	1011.77	1011.64	1011.51	1011.38	1011.25	1011.13	1011.00	1010.88	1010.75
180	1010.63	1010.51	1010.39	1010.26	1010.15	1010.03	1009.91	1009.79	1009.68	1009.56
190	1009.45	1009.33	1009.22	1009.11	1009.00	1008.89	1008.78	1008.67	1008.56	1008.45
200	1008.35	1008.24	1008.13	1008.03	1007.93	1007.82	1007.72	1007.62	1007.52	1007.42
210	1007.32	1007.22	1007.12	1007.02	1006.93	1006.83	1006.73	1006.64	1006.54	1006.45
220	1006.36	1006.26	1006.17	1006.08	1005.99	1005.90	1005.81	1005.72	1005.63	1005.54
230	1005.45	1005.36	1005.28	1005.19	1005.10	1005.02	1004.93	1004.85	1004.76	1004.68
240	1004.60	1004.51	1004.43	1004.35	1004.27	1004.19	1004.11	1004.03	1003.95	1003.87
250	1003.79	1003.71	1003.63	1003.56	1003.48	1003.40	1003.33	1003.25	1003.18	1003.10
260	1003.03	1002.95	1002.88	1002.80	1002.73	1002.66	1002.59	1002.51	1002.44	1002.37
270	1002.30	1002.23	1002.16	1002.09	1002.02	1001.95	1001.88	1001.81	1001.74	1001.68
280	1001.61	1001.54	1001.47	1001.41	1001.34	1001.28	1001.21	1001.15	1001.08	1001.02
290	1000.95	1000.89	1000.82	1000.76	1000.70	1000.63	1000.57	1000.51	1000.45	1000.38
300	1000.32									

Record of Revisions						
Rev	ECN#	Description	Rev by	Date	Appr by	Date
-		Initial Release	JWS	11/21/05	<i>JWS</i>	12/15/05

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