



Silicon Diode Thermometer
Sensor Model: Si430
Calibration Current: 10 microamps

Typical Response 020-122

Temp. K	+0.0	+1.0	+2.0	+3.0	+4.0	+5.0	+6.0	+7.0	+8.0	+9.0
0		1.64342	1.62255	1.59108	1.55483	1.51590	1.47740	1.44098	1.40827	1.37998
10	1.35568	1.33317	1.31277	1.29401	1.27621	1.25932	1.24342	1.22816	1.21325	1.19816
20	1.18193	1.16246	1.13841	1.12425	1.11828	1.11480	1.11217	1.10996	1.10828	1.10643
30	1.10465	1.10295	1.10124	1.09952	1.09791	1.09629	1.09468	1.09306	1.09145	1.08983
40	1.08821	1.08659	1.08497	1.08334	1.08171	1.08008	1.07844	1.07681	1.07517	1.07353
50	1.07188	1.07023	1.06858	1.06693	1.06528	1.06362	1.06196	1.06029	1.05863	1.05696
60	1.05528	1.05360	1.05192	1.05024	1.04856	1.04687	1.04518	1.04349	1.04179	1.04010
70	1.03839	1.03669	1.03498	1.03327	1.03156	1.02985	1.02814	1.02642	1.02471	1.02299
80	1.02127	1.01957	1.01785	1.01612	1.01439	1.01267	1.01093	1.00918	1.00744	1.00569
90	1.00393	1.00218	1.00042	0.99865	0.99687	0.99510	0.99332	0.99153	0.98975	0.98795
100	0.98615	0.98434	0.98254	0.98073	0.97891	0.97710	0.97527	0.97344	0.97161	0.96978
110	0.96794	0.96609	0.96424	0.96239	0.96053	0.95867	0.95680	0.95492	0.95304	0.95116
120	0.94927	0.94738	0.94549	0.94358	0.94167	0.93976	0.93785	0.93592	0.93398	0.93203
130	0.93008	0.92812	0.92616	0.92418	0.92221	0.92022	0.91823	0.91623	0.91423	0.91222
140	0.91021	0.90819	0.90617	0.90414	0.90212	0.90008	0.89805	0.89601	0.89397	0.89193
150	0.88988	0.88783	0.88578	0.88372	0.88166	0.87959	0.87752	0.87545	0.87337	0.87129
160	0.86921	0.86712	0.86503	0.86294	0.86084	0.85874	0.85664	0.85453	0.85242	0.85030
170	0.84818	0.84606	0.84393	0.84180	0.83967	0.83754	0.83540	0.83325	0.83111	0.82896
180	0.82680	0.82465	0.82249	0.82032	0.81816	0.81599	0.81381	0.81163	0.80945	0.80727
190	0.80508	0.80290	0.80071	0.79851	0.79632	0.79412	0.79192	0.78972	0.78752	0.78532
200	0.78311	0.78090	0.77869	0.77648	0.77426	0.77205	0.76983	0.76761	0.76539	0.76317
210	0.76094	0.75871	0.75648	0.75425	0.75202	0.74978	0.74755	0.74532	0.74308	0.74085
220	0.73861	0.73638	0.73414	0.73191	0.72967	0.72743	0.72520	0.72296	0.72072	0.71848
230	0.71624	0.71400	0.71176	0.70951	0.70727	0.70503	0.70278	0.70054	0.69829	0.69604
240	0.69379	0.69154	0.68929	0.68704	0.68479	0.68253	0.68028	0.67802	0.67576	0.67351
250	0.67124	0.66898	0.66672	0.66445	0.66219	0.65992	0.65765	0.65538	0.65310	0.65083
260	0.64855	0.64628	0.64400	0.64172	0.63944	0.63716	0.63487	0.63259	0.63030	0.62802
270	0.62573	0.62344	0.62115	0.61885	0.61656	0.61427	0.61197	0.60968	0.60738	0.60509
280	0.60279	0.60050	0.59820	0.59590	0.59360	0.59131	0.58901	0.58671	0.58441	0.58211
290	0.57980	0.57750	0.57520	0.57289	0.57059	0.56828	0.56598	0.56367	0.56136	0.55905
300	0.55674	0.55443	0.55211	0.54980	0.54748	0.54516	0.54285	0.54053	0.53820	0.53588
310	0.53356	0.53123	0.52891	0.52658	0.52425	0.52192	0.51958	0.51725	0.51492	0.51258
320	0.51024	0.50790	0.50556	0.50322	0.50088	0.49854	0.49620	0.49385	0.49151	0.48916
330	0.48681	0.48446	0.48212	0.47977	0.47741	0.47506	0.47271	0.47036	0.46801	0.46565
340	0.46330	0.46095	0.45860	0.45624	0.45389	0.45154	0.44918	0.44683	0.44447	0.44212
350	0.43976	0.43741	0.43505	0.43270	0.43034	0.42799	0.42563	0.42327	0.42092	0.41856
360	0.41620	0.41384	0.41148	0.40913	0.40677	0.40441	0.40205	0.39969	0.39733	0.39497
370	0.39261	0.39025	0.38789	0.38552	0.38316	0.38080	0.37844	0.37607	0.37371	0.37135
380	0.36898	0.36662	0.36425	0.36189	0.35952	0.35715	0.35479	0.35242	0.35005	0.34768
390	0.34532	0.34295	0.34058	0.33821	0.33584	0.33347	0.33109	0.32872	0.32635	0.32398
400	0.32161									

Record of Revisions						
Rev	ECN#	Description	Rev by	Date	Appr by	Date
-		Initial Release	JWS	3/30/07	<i>JWS</i>	3-30-07