

Change No.	Rev.	Description	Author	Date	Approved	Date
DCR	-	Initial Release	RG	4-13-23	AK	4-13-23

Sensor Model: 56DX
Calibration Current: 100 μ A
Date:

SI Part Number:
Serial Number:
Customer Part Number:

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	0.00000	1.74082	1.71511	1.69366	1.66600	1.63005	1.58900	1.54305	1.49718	1.45559
10	1.41865	1.38692	1.36007	1.33277	1.30615	1.28311	1.26425	1.24711	1.23055	1.21403
20	1.19618	1.17618	1.15313	1.13242	1.12111	1.11567	1.11211	1.10945	1.10721	1.10514
30	1.10325	1.10147	1.09976	1.09813	1.09655	1.09503	1.09353	1.09207	1.09062	1.08918
40	1.08775	1.08635	1.08494	1.08352	1.08210	1.08068	1.07927	1.07784	1.07641	1.07496
50	1.07351	1.07203	1.07055	1.06907	1.06758	1.06608	1.06459	1.06308	1.06158	1.06007
60	1.05855	1.05703	1.05550	1.05397	1.05245	1.05092	1.04939	1.04786	1.04633	1.04479
70	1.04326	1.04174	1.04021	1.03867	1.03713	1.03558	1.03402	1.03245	1.03087	1.02930
80	1.02771	1.02611	1.02451	1.02291	1.02130	1.01969	1.01809	1.01648	1.01486	1.01325
90	1.01163	1.01002	1.00840	1.00676	1.00512	1.00347	1.00178	1.00009	0.99841	0.99672
100	0.99504	0.99336	0.99168	0.99000	0.98833	0.98665	0.98497	0.98329	0.98162	0.97994
110	0.97826	0.97664	0.97500	0.97336	0.97170	0.97003	0.96835	0.96666	0.96495	0.96324
120	0.96152	0.95976	0.95799	0.95622	0.95444	0.95266	0.95087	0.94908	0.94728	0.94548
130	0.94367	0.94185	0.94003	0.93820	0.93637	0.93453	0.93269	0.93085	0.92901	0.92716
140	0.92531	0.92346	0.92161	0.91975	0.91789	0.91602	0.91415	0.91228	0.91041	0.90853
150	0.90664	0.90476	0.90288	0.90099	0.89909	0.89719	0.89529	0.89338	0.89147	0.88955
160	0.88763	0.88569	0.88374	0.88180	0.87986	0.87791	0.87596	0.87401	0.87207	0.87011
170	0.86816	0.86621	0.86426	0.86231	0.86035	0.85840	0.85644	0.85448	0.85251	0.85055
180	0.84858	0.84660	0.84463	0.84265	0.84068	0.83870	0.83672	0.83474	0.83276	0.83077
190	0.82879	0.82680	0.82481	0.82283	0.82084	0.81885	0.81685	0.81486	0.81287	0.81088
200	0.80888	0.80690	0.80492	0.80293	0.80094	0.79894	0.79694	0.79494	0.79293	0.79091
210	0.78889	0.78686	0.78483	0.78280	0.78076	0.77872	0.77667	0.77462	0.77257	0.77051
220	0.76845	0.76638	0.76430	0.76223	0.76015	0.75807	0.75598	0.75389	0.75180	0.74971
230	0.74761	0.74549	0.74338	0.74126	0.73915	0.73703	0.73492	0.73281	0.73069	0.72858
240	0.72647	0.72437	0.72226	0.72016	0.71805	0.71594	0.71384	0.71173	0.70962	0.70752
250	0.70541	0.70330	0.70120	0.69910	0.69699	0.69488	0.69277	0.69066	0.68855	0.68643
260	0.68432	0.68220	0.68008	0.67796	0.67584	0.67371	0.67159	0.66946	0.66734	0.66521
270	0.66308	0.66099	0.65889	0.65678	0.65466	0.65253	0.65039	0.64824	0.64609	0.64393
280	0.64175	0.63952	0.63729	0.63506	0.63283	0.63061	0.62839	0.62618	0.62396	0.62176
290	0.61955	0.61736	0.61517	0.61299	0.61080	0.60861	0.60642	0.60424	0.60205	0.59986
300	0.59768	0.59539	0.59313	0.59088	0.58866	0.58647	0.58429	0.58213	0.58000	0.57789
310	0.57580	0.57392	0.57201	0.57009	0.56815	0.56619	0.56421	0.56221	0.56020	0.55817
320	0.55612	0.55394	0.55176	0.54960	0.54744	0.54528	0.54314	0.54100	0.53886	0.53674
330	0.53462	0.53253	0.53045	0.52837	0.52628	0.52420	0.52212	0.52003	0.51795	0.51587
340	0.51378	0.51170	0.50962	0.50753	0.50545	0.50337	0.50128	0.49920	0.49712	0.49503
350	0.49295	0.49087	0.48878	0.48670	0.48462	0.48253	0.48045	0.47837	0.47628	0.47420
360	0.47212	0.47003	0.46795	0.46587	0.46378	0.46170	0.45962	0.45753	0.45545	0.45336
370	0.45128	0.44920	0.44711	0.44503	0.44295	0.44086	0.43878	0.43670	0.43461	0.43253
380	0.43045	0.42836	0.42628	0.42420	0.42211	0.42003	0.41795	0.41586	0.41378	0.41170
390	0.40961	0.40753	0.40545	0.40336	0.40128	0.39920	0.39711	0.39503	0.39295	0.39086
400	0.38878	0.38670	0.38461	0.38253	0.38045	0.37836	0.37628	0.37420	0.37211	0.37003
410	0.36795	0.36586	0.36378	0.36170	0.35961	0.35753	0.35545	0.35336	0.35128	0.34919
420	0.34711	0.34503	0.34294	0.34086	0.33878	0.33669	0.33461	0.33253	0.33044	0.32836
430	0.32628	0.32419	0.32211	0.32003	0.31794	0.31586	0.31378	0.31169	0.30961	0.30753
440	0.30544	0.30336	0.30128	0.29919	0.29711	0.29503	0.29294	0.29086	0.28878	0.28669
450	0.28461									

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Title:	Silicon Diode Temperature Probe, 56DX, 100 μ A				
Doc No:	018-056	Rev:	-	Approved:	AK
Type:	Response Curve Datasheet		Date:	4-12-23	
Schd.Dwg.Ref:	N/A	Size:	A	Sheet:	Page 1 of 1