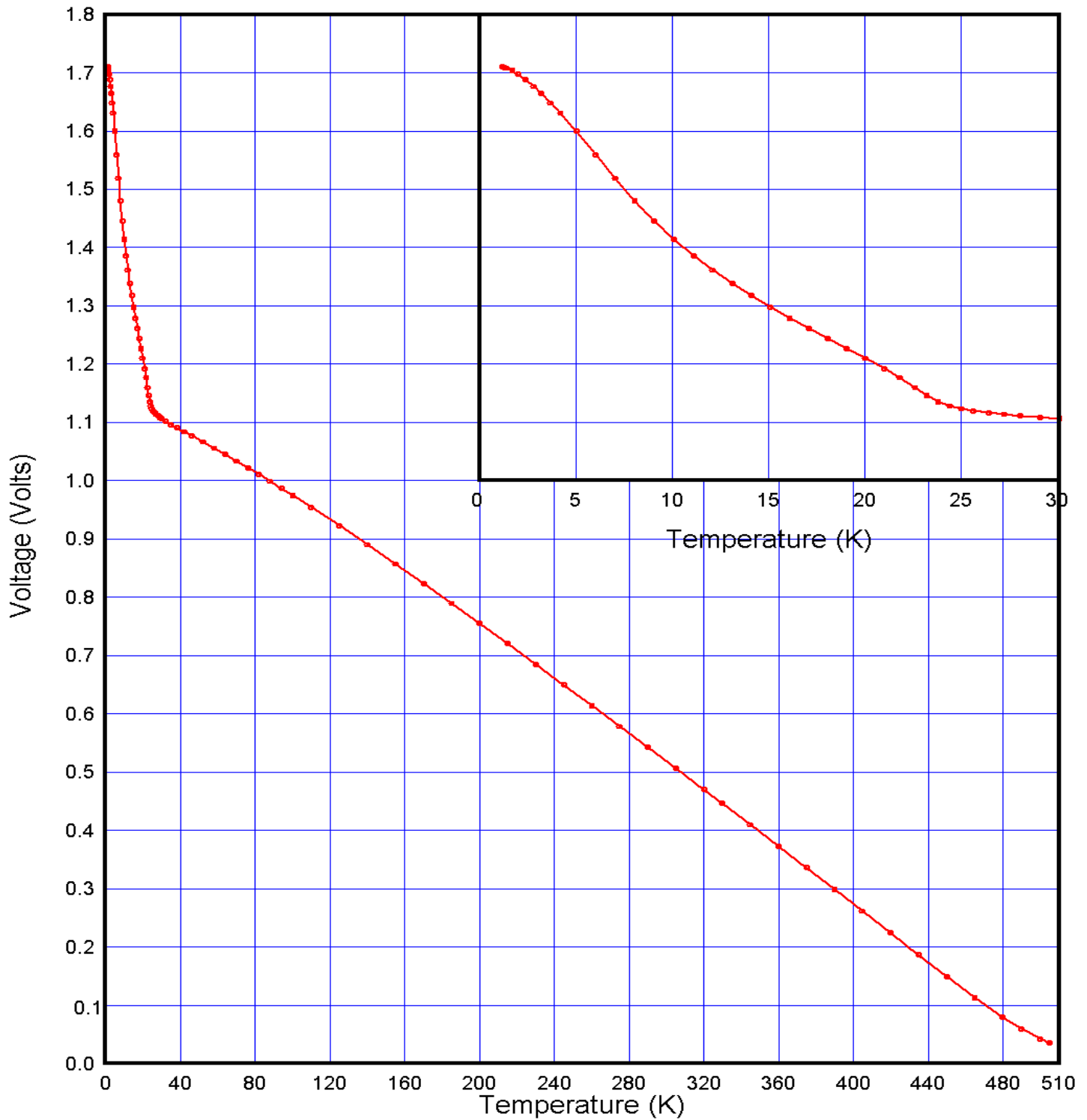


DATA PLOT

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: $10\mu\text{A}\pm 0.05\%$



TEST DATA

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Index	Temperature (K)	Voltage (V)	Index	Temperature (K)	Voltage (V)
1	1.20346	1.71020	46	58.1262	1.05579
2	1.29420	1.70923	47	64.1261	1.04482
3	1.40379	1.70789	48	70.1225	1.03368
4	1.69829	1.70343	49	76.1291	1.02230
5	1.99924	1.69763	50	82.1116	1.01077
6	2.40351	1.68803	51	88.1212	0.998969
7	2.81705	1.67653	52	94.1095	0.987014
8	3.21645	1.66431	53	100.095	0.974861
9	3.70548	1.64819	54	110.095	0.954232
10	4.19773	1.63086	55	125.082	0.922583
11	5.02151	1.59986	56	140.097	0.890118
12	6.04202	1.55930	57	155.086	0.857080
13	7.04241	1.51887	58	170.080	0.823503
14	8.06035	1.48006	59	185.067	0.789491
15	9.07940	1.44503	60	200.051	0.755086
16	10.0975	1.41394	61	215.053	0.720288
17	11.1124	1.38622	62	230.072	0.685127
18	12.1192	1.36128	63	245.062	0.649757
19	13.1189	1.33853	64	260.073	0.614096
20	14.1155	1.31748	65	275.072	0.578278
21	15.1089	1.29777	66	290.069	0.542326
22	16.0962	1.27914	67	305.065	0.506246
23	17.0796	1.26130	68	320.073	0.469995
24	18.0626	1.24399	69	329.864	0.446193
25	19.0483	1.22697	70	344.830	0.409741
26	20.0350	1.20994	71	359.826	0.373014
27	21.0256	1.19225	72	374.800	0.336107
28	21.8161	1.17688	73	389.792	0.298945
29	22.6121	1.15965	74	404.773	0.261597
30	23.2066	1.14672	75	419.778	0.224032
31	23.8133	1.13582	76	434.751	0.186501
32	24.4223	1.12829	77	449.746	0.149185
33	25.0312	1.12343	78	464.748	0.112852
34	25.6386	1.12006	79	479.729	7.90857e-2
35	26.4592	1.11667	80	489.718	5.91814e-2
36	27.2672	1.11398	81	499.705	4.23056e-2
37	28.0830	1.11160	82	504.704	3.51823e-2
38	29.0989	1.10894			
39	30.1091	1.10653			
40	32.1282	1.10215			
41	35.1449	1.09629			
42	38.1492	1.09088			
43	42.1472	1.08395			
44	46.1441	1.07707			
45	52.1393	1.06654			



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Useful Range of Fit:

1.40K to 12.1K
1.708 Volt to 1.361 Volt

Lower and Upper limits of voltage used in computing Chebychev coefficients:

ZL = 1.317477097 ZU = 1.710198953

Order	Coefficient	Std. Deviation of Coefficient	Ratio (Coeff./Std Dev.)
0	7.507124	2.5906E-03	2897.79
1	-6.013482	3.7768E-03	-1592.22
2	0.290435	3.8492E-03	75.45
3	-0.363315	3.5815E-03	-101.44
4	-0.069208	3.4221E-03	-20.22
5	-0.036066	3.3579E-03	-10.74
6	-0.033847	3.3100E-03	-10.23
7	-0.024462	3.3214E-03	-7.36
8	-0.016919	3.4141E-03	-4.96
9	-0.011133	3.5988E-03	-3.09
10	-0.011020	3.6030E-03	-3.06

Z = voltage

$$X = ((Z-ZL)-(ZU-Z))/(ZU-ZL)$$

Temp. (K) = $\sum A_i \cdot \cos(i \cdot \arccos(X))$, where $0 \leq i \leq 10$
and the A_i 's are the coefficients in the table above.



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Temp. (K) vs. voltage

	V Meas. (V)	T Meas. (K)	T Eq. (K)	T diff. (mK)
1	1.710199	1.20346	1.21811	-14.65
2	1.709229	1.29420	1.29367	0.52
3	1.707889	1.40379	1.39303	10.77
4	1.703433	1.69829	1.68595	12.35
5	1.697629	1.99924	2.00056	-1.32
6	1.688026	2.40351	2.41484	-11.33
7	1.676534	2.81705	2.82088	-3.83
8	1.664305	3.21645	3.21026	6.20
9	1.648191	3.70548	3.69879	6.69
10	1.630861	4.19773	4.20087	-3.14
11	1.599855	5.02151	5.02850	-6.98
12	1.559299	6.04202	6.03344	8.59
13	1.518874	7.04241	7.04669	-4.28
14	1.480064	8.06035	8.06280	-2.45
15	1.445030	9.07940	9.07387	5.54
16	1.413937	10.09754	10.09930	-1.76
17	1.386216	11.11242	11.11645	-4.02
18	1.361275	12.11918	12.11401	5.17
19	1.338532	13.11895	13.12146	-2.51
20	1.317477	14.11548	14.11502	0.46

Order of Fit = 10 RMS error of fit = 6.90 mK
Largest absolute error = -14.65 mK at data point no. 1



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Useful Range of Fit:

12.1K to 25.1K
1.361 Volt to 1.123 Volt

Lower and Upper limits of voltage used in computing Chebychev coefficients:

ZL = 1.116668165 ZU = 1.413936711

Order	Coefficient	Std. Deviation of Coefficient	Ratio (Coeff./Std Dev.)
0	17.291314	7.9214E-03	2182.85
1	-7.807812	1.4274E-02	-547.00
2	0.501325	1.2176E-02	41.17
3	-0.032941	9.5602E-03	-3.45
4	0.185972	6.7647E-03	27.49
5	-0.218775	5.7497E-03	-38.05
6	0.176952	7.4145E-03	23.87
7	-0.096060	1.0046E-02	-9.56
8	0.080721	1.1070E-02	7.29
9	-0.017789	1.0835E-02	-1.64
10	0.034766	8.6907E-03	4.00

Z = voltage

$$X = ((Z-ZL)-(ZU-Z))/(ZU-ZL)$$

Temp. (K) = $\sum A_i \cdot \cos(i \cdot \arccos(X))$, where $0 \leq i \leq 10$
and the A_i 's are the coefficients in the table above.



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Temp. (K) vs. voltage

	V Meas. (V)	T Meas. (K)	T Eq. (K)	T diff. (mK)
16	1.413937	10.09930	10.09767	-0.13
17	1.386216	11.11645	11.11090	1.52
18	1.361275	12.11401	12.12574	-6.56
19	1.338532	13.11895	13.10641	12.54
20	1.317477	14.11548	14.12261	-7.13
21	1.297767	15.10886	15.11719	-8.33
22	1.279138	16.09619	16.08955	6.64
23	1.261299	17.07955	17.06959	9.96
24	1.243987	18.06261	18.06593	-3.32
25	1.226968	19.04833	19.06064	-12.31
26	1.209936	20.03500	20.03683	-1.83
27	1.192251	21.02564	21.00969	15.95
28	1.176876	21.81605	21.81183	4.22
29	1.159647	22.61212	22.63454	-22.42
30	1.146715	23.20661	23.20791	-1.30
31	1.135820	23.81334	23.78733	26.01
32	1.128292	24.42227	24.41897	3.31
33	1.123426	25.03116	25.05016	-19.01
34	1.120059	25.63859	25.65118	-12.59
35	1.116668	26.45920	26.44443	14.77

Order of Fit = 10 RMS error of fit = 11.90 mK
Largest absolute error = 26.01 mK at data point no. 31



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Useful Range of Fit:

25.0K to 140.K
1.123 Volt to 0.8901 Volt

Lower and Upper limits of voltage used in computing Chebychev coefficients:
ZL = 0.823503249 ZU = 1.13582029

Order	Coefficient	Std. Deviation of Coefficient	Ratio (Coeff./Std Dev.)
0	95.310654	1.7496E-01	544.75
1	-75.046477	3.2876E-01	-228.27
2	-1.535499	2.7256E-01	-5.63
3	2.114210	1.8224E-01	11.60
4	1.465452	7.4567E-02	19.65
5	1.004002	3.8448E-02	26.11
6	0.903181	1.3398E-01	6.74
7	-0.321353	1.9841E-01	-1.62
8	0.530352	2.2029E-01	2.41
9	-0.612376	1.9721E-01	-3.11
10	0.239855	1.4225E-01	1.69
11	-0.273163	7.6914E-02	-3.55
12	0.031103	2.6985E-02	1.15

Z = voltage

$$X = ((Z-ZL)-(ZU-Z))/(ZU-ZL)$$

Temp. (K) = $\sum A_i \cdot \cos(i \cdot \arccos(X))$, where $0 \leq i \leq 12$
and the A_i 's are the coefficients in the table above.



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Temp. (K) vs. voltage

	V Meas. (V)	T Meas. (K)	T Eq. (K)	T diff. (mK)
31	1.135820	23.78733	23.80994	3.40
32	1.128292	24.41897	24.43796	-15.69
33	1.123426	25.05016	25.02076	10.40
34	1.120059	25.63859	25.63620	2.39
35	1.116668	26.45920	26.46017	-0.97
36	1.113978	27.26716	27.26203	5.13
37	1.111601	28.08305	28.07526	7.79
38	1.108943	29.09895	29.09412	4.83
39	1.106526	30.10915	30.11158	-2.44
40	1.102152	32.12818	32.14322	-15.04
41	1.096294	35.14486	35.16264	-17.78
42	1.090881	38.14923	38.15480	-5.58
43	1.083953	42.14717	42.12750	19.67
44	1.077072	46.14413	46.11754	26.59
45	1.066544	52.13933	52.14979	-10.46
46	1.055788	58.12622	58.15285	-26.63
47	1.044824	64.12614	64.12810	-1.96
48	1.033677	70.12253	70.10315	19.37
49	1.022305	76.12909	76.11713	11.96
50	1.010767	82.11157	82.12074	-9.16
51	0.9989691	88.12118	88.13703	-15.85
52	0.9870140	94.10952	94.10783	1.69
53	0.9748614	100.09495	100.08054	14.41
54	0.9542317	110.09496	110.10222	-7.26
55	0.9225831	125.08160	125.08018	1.42
56	0.8901183	140.09683	140.09708	-0.25
57	0.8570797	155.08550	155.08547	0.03
58	0.8235032	170.08026	170.08026	0.00

Order of Fit = 12 RMS error of fit = 12.10 mK
Largest absolute error = -26.63 mK at data point no. 46



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Useful Range of Fit:

140.K to 500.K
0.8901 Volt to 4.186e-2 Volt

Lower and Upper limits of voltage used in computing Chebychev coefficients:
ZL = 0.03518228645 ZU = 0.9542317121

Order	Coefficient	Std. Deviation of Coefficient	Ratio (Coeff./Std Dev.)
0	307.393363	2.6583E-03	115635.56
1	-193.458871	4.2987E-03	-45004.04
2	-1.924829	4.0337E-03	-477.18
3	-2.222011	3.8061E-03	-583.80
4	0.966601	3.6772E-03	262.87
5	-1.025252	3.5177E-03	-291.45
6	0.601065	3.3867E-03	177.48
7	-0.375030	3.2654E-03	-114.85
8	0.221385	3.2268E-03	68.61
9	-0.148510	3.2845E-03	-45.22
10	0.086645	3.4033E-03	25.46
11	-0.048422	3.5899E-03	-13.49
12	0.035751	3.7269E-03	9.59
13	-0.019693	3.6521E-03	-5.39
14	0.013081	3.6924E-03	3.54

Z = voltage

$$X = ((Z-ZL)-(ZU-Z))/(ZU-ZL)$$

Temp. (K) = $\sum A_i \cdot \cos(i \cdot \arccos(X))$, where $0 \leq i \leq 14$
and the A_i 's are the coefficients in the table above.



POLYNOMIAL EQUATION

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327
Sensor Excitation: 10 μ A \pm 0.05%

Polynomial Type: Chebychev
Temp. (K) vs. voltage

	V Meas. (V)	T Meas. (K)	T Eq. (K)	T diff. (mK)
54	0.9542317	110.10222	110.09528	-0.31
55	0.9225831	125.08018	125.07952	2.08
56	0.8901183	140.09708	140.10188	-5.04
57	0.8570797	155.08550	155.08132	4.18
58	0.8235032	170.08026	170.07781	2.45
59	0.7894906	185.06685	185.07096	-4.11
60	0.7550858	200.05147	200.05448	-3.02
61	0.7202878	215.05296	215.05015	2.82
62	0.6851274	230.07216	230.06795	4.21
63	0.6497566	245.06164	245.06110	0.54
64	0.6140956	260.07287	260.07750	-4.63
65	0.5782785	275.07204	275.07666	-4.62
66	0.5423265	290.06938	290.06750	1.88
67	0.5062460	305.06543	305.05827	7.17
68	0.4699955	320.07275	320.06292	9.82
69	0.4461929	329.86375	329.87741	-13.65
70	0.4097412	344.82991	344.83803	-8.12
71	0.3730137	359.82613	359.82132	4.81
72	0.3361072	374.79969	374.79219	7.50
73	0.2989454	389.79244	389.78918	3.26
74	0.2615973	404.77278	404.78223	-9.45
75	0.2240316	419.77770	419.78309	-5.39
76	0.1865010	434.75061	434.74067	9.94
77	0.1491846	449.74577	449.74029	5.48
78	0.1128524	464.74811	464.76399	-15.88
79	7.908566e-2	479.72921	479.72200	7.20
80	5.918145e-2	489.71795	489.70562	12.33
81	4.230564e-2	499.70456	499.72946	-24.90
82	3.518229e-2	504.70433	504.69085	13.48

Order of Fit = 14 RMS error of fit = 8.60 mK
Largest absolute error = -24.90 mK at data point no. 81



INTERPOLATION TABLE

Calibration Report: 423005
 Sensor Model: DT-470-SD-13-1.4H
 Sensor Type: Silicon Diode
 Temperature Range: 1.40K to 500K

Sales Order: 13426
 Serial Number: D57327
 Sensor Excitation: 10 μ A \pm 0.05%

Temp (K)	Volts (V)	dV/dT (mV/K)	Temp (K)	Volts (V)	dV/dT (mV/K)
1.400	1.70794	-12.984	15.50	1.29029	-18.947
1.500	1.70657	-14.406	16.00	1.28092	-18.539
1.600	1.70506	-15.824	16.50	1.27174	-18.188
1.700	1.70340	-17.236	17.00	1.26272	-17.890
1.800	1.70161	-18.630	17.50	1.25384	-17.637
1.900	1.69968	-19.993	18.00	1.24508	-17.421
2.000	1.69761	-21.325	18.50	1.23641	-17.262
2.100	1.69542	-22.600	19.00	1.22780	-17.196
2.200	1.69310	-23.793	19.50	1.21920	-17.235
2.300	1.69066	-24.905	20.00	1.21054	-17.392
2.400	1.68812	-25.935	21.00	1.19273	-18.472
2.500	1.68548	-26.886	22.00	1.17303	-21.199
2.600	1.68274	-27.759	23.00	1.15107	-21.605
2.700	1.67993	-28.555	24.00	1.13316	-13.353
2.800	1.67703	-29.274	25.00	1.12363	-6.6134
2.900	1.67407	-29.928	26.00	1.11845	-4.1660
3.000	1.67105	-30.544	27.00	1.11482	-3.2286
3.100	1.66797	-31.120	28.00	1.11183	-2.7887
3.200	1.66483	-31.658	29.00	1.10919	-2.5125
3.300	1.66164	-32.167	30.00	1.10678	-2.3209
3.400	1.65839	-32.665	31.00	1.10453	-2.1753
3.500	1.65510	-33.153	32.00	1.10242	-2.0644
3.600	1.65176	-33.630	33.00	1.10039	-1.9809
3.700	1.64838	-34.096	34.00	1.09845	-1.9130
3.800	1.64494	-34.551	35.00	1.09656	-1.8607
3.900	1.64147	-34.994	36.00	1.09472	-1.8209
4.000	1.63795	-35.424	37.00	1.09292	-1.7886
4.200	1.63078	-36.246	38.00	1.09114	-1.7636
4.400	1.62345	-37.000	39.00	1.08939	-1.7450
4.600	1.61598	-37.669	40.00	1.08765	-1.7312
4.800	1.60839	-38.252	42.00	1.08421	-1.7178
5.000	1.60069	-38.749	44.00	1.08077	-1.7194
5.200	1.59290	-39.177	46.00	1.07732	-1.7309
5.400	1.58502	-39.560	48.00	1.07384	-1.7475
5.600	1.57707	-39.899	50.00	1.07033	-1.7630
5.800	1.56906	-40.195	52.00	1.06679	-1.7774
6.000	1.56100	-40.446	54.00	1.06322	-1.7905
6.500	1.54070	-40.599	56.00	1.05963	-1.8021
7.000	1.52056	-39.806	58.00	1.05602	-1.8122
7.500	1.50101	-38.342	60.00	1.05238	-1.8217
8.000	1.48227	-36.587	65.00	1.04321	-1.8471
8.500	1.46445	-34.651	70.00	1.03391	-1.8750
9.000	1.44761	-32.708	75.00	1.02446	-1.9043
9.500	1.43174	-30.824	77.35	1.01997	-1.9181
10.00	1.41676	-29.116	80.00	1.01486	-1.9337
10.50	1.40259	-27.585	85.00	1.00512	-1.9627
11.00	1.38915	-26.224	90.00	0.995240	-1.9898
11.50	1.37634	-25.016	95.00	0.985218	-2.0196
12.00	1.36411	-23.927	100.0	0.975055	-2.0435
12.50	1.35240	-22.950	105.0	0.964791	-2.0624
13.00	1.34115	-22.072	110.0	0.954429	-2.0825
13.50	1.33031	-21.287	115.0	0.943966	-2.1025
14.00	1.31985	-20.582	120.0	0.933407	-2.1211
14.50	1.30971	-19.957	125.0	0.922758	-2.1383
15.00	1.29987	-19.414	130.0	0.912025	-2.1544



INTERPOLATION TABLE

Calibration Report: 423005
 Sensor Model: DT-470-SD-13-1.4H
 Sensor Type: Silicon Diode
 Temperature Range: 1.40K to 500K

Sales Order: 13426
 Serial Number: D57327
 Sensor Excitation: 10 μ A \pm 0.05%

Temp (K)	Volts (V)	dV/dT (mV/K)	Temp (K)	Volts (V)	dV/dT (mV/K)
135.0	0.901215	-2.1697	330.0	0.445861	-2.4335
140.0	0.890330	-2.1842	335.0	0.433694	-2.4339
145.0	0.879374	-2.1978	340.0	0.421519	-2.4364
150.0	0.868353	-2.2106	345.0	0.409326	-2.4410
155.0	0.857270	-2.2225	350.0	0.397107	-2.4466
160.0	0.846129	-2.2338	355.0	0.384860	-2.4521
165.0	0.834933	-2.2445	360.0	0.372586	-2.4575
170.0	0.823684	-2.2549	365.0	0.360286	-2.4626
175.0	0.812385	-2.2648	370.0	0.347961	-2.4675
180.0	0.801037	-2.2742	375.0	0.335612	-2.4719
185.0	0.789643	-2.2832	380.0	0.323242	-2.4764
190.0	0.778205	-2.2918	385.0	0.310848	-2.4812
195.0	0.766725	-2.3001	390.0	0.298429	-2.4863
200.0	0.755205	-2.3081	395.0	0.285985	-2.4913
205.0	0.743645	-2.3159	400.0	0.273517	-2.4957
210.0	0.732046	-2.3234	405.0	0.261029	-2.4994
215.0	0.720411	-2.3307	410.0	0.248524	-2.5025
220.0	0.708740	-2.3377	415.0	0.236005	-2.5051
225.0	0.697035	-2.3444	420.0	0.223474	-2.5072
230.0	0.685297	-2.3507	425.0	0.210936	-2.5078
235.0	0.673528	-2.3568	430.0	0.198400	-2.5063
240.0	0.661729	-2.3626	435.0	0.185877	-2.5026
245.0	0.649903	-2.3681	440.0	0.173380	-2.4953
250.0	0.638049	-2.3733	445.0	0.160932	-2.4831
255.0	0.626170	-2.3780	450.0	0.148558	-2.4659
260.0	0.614269	-2.3824	455.0	0.136287	-2.4406
265.0	0.602347	-2.3863	460.0	0.124169	-2.4047
270.0	0.590407	-2.3897	465.0	0.112258	-2.3580
273.15	0.582876	-2.3917	470.0	0.100616	-2.2957
275.0	0.578451	-2.3928	475.0	8.93345e-2	-2.2136
280.0	0.566480	-2.3956	480.0	7.85130e-2	-2.1117
285.0	0.554494	-2.3987	485.0	6.82522e-2	-1.9889
290.0	0.542493	-2.4018	490.0	5.86600e-2	-1.8443
295.0	0.530476	-2.4049	495.0	4.98378e-2	-1.6824
300.0	0.518445	-2.4073	500.0	4.18588e-2	-1.5069
305.0	0.506404	-2.4093			
310.0	0.494351	-2.4122			
315.0	0.482278	-2.4175			
320.0	0.470172	-2.4253			
325.0	0.458027	-2.4319			



BREAKPOINTS 340 FORMAT

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327

Name: DT-470-SD-13-1.4H

Serial number: D57327

Format: 2 ;Volts/Kelvin

Limit: 500.

Coefficient: 1 ;Negative

Point 1: 4.17411e-02,500.000 Point 56: 1.11481, 27.000
Point 2: 5.06198e-02,494.500 Point 57: 1.11651, 26.500
Point 3: 6.04429e-02,489.000 Point 58: 1.11803, 26.100
Point 4: 7.32128e-02,482.500 Point 59: 1.11975, 25.700
Point 5: 8.81545e-02,475.500 Point 60: 1.12178, 25.300

Point 111: 1.70794, 1.400

Point 6: 9.15757e-02,474.000 Point 61: 1.12362, 25.000
Point 7: .101725,469.500 Point 62: 1.12579, 24.700
Point 8: .118142,462.500 Point 63: 1.12848, 24.400
Point 9: .139907,453.500 Point 64: 1.13183, 24.100
Point 10: .173333,440.000 Point 65: 1.13597, 23.800

Point 11: .271070,401.000 Point 66: 1.14100, 23.500
Point 12: .331951,376.500 Point 67: 1.14885, 23.100
Point 13: .391034,352.500 Point 68: 1.17313, 22.000
Point 14: .456837,325.500 Point 69: 1.18524, 21.400
Point 15: .491962,311.000 Point 70: 1.20007, 20.600

Point 16: .548518,287.500 Point 71: 1.21923, 19.500
Point 17: .599983,266.000 Point 72: 1.24070, 18.250
Point 18: .642817,248.000 Point 73: 1.25735, 17.300
Point 19: .680617,232.000 Point 74: 1.27261, 16.450
Point 20: .714602,217.500 Point 75: 1.28648, 15.700

Point 21: .745981,204.000 Point 76: 1.29984, 15.000
Point 22: .775935,191.000 Point 77: 1.31268, 14.350
Point 23: .804469,178.500 Point 78: 1.32500, 13.750
Point 24: .830460,167.000 Point 79: 1.33673, 13.200
Point 25: .855067,156.000 Point 80: 1.34893, 12.650

Point 26: .878297,145.500 Point 81: 1.36169, 12.100
Point 27: .899063,136.000 Point 82: 1.37382, 11.600
Point 28: .918494,127.000 Point 83: 1.38649, 11.100
Point 29: .936604,118.500 Point 84: 1.39980, 10.600
Point 30: .953407,110.500 Point 85: 1.41239, 10.150

Point 31: .969955,102.500 Point 86: 1.42559, 9.700
Point 32: .982190, 96.500 Point 87: 1.43950, 9.250
Point 33: .991259, 92.000 Point 88: 1.45417, 8.800
Point 34: 1.00021, 87.500 Point 89: 1.46964, 8.350
Point 35: 1.00904, 83.000 Point 90: 1.48589, 7.900

Point 36: 1.01777, 78.500 Point 91: 1.50479, 7.400
Point 37: 1.02637, 74.000 Point 92: 1.52849, 6.800
Point 38: 1.03485, 69.500 Point 93: 1.57395, 5.680
Point 39: 1.04322, 65.000 Point 94: 1.60154, 4.980
Point 40: 1.05148, 60.500 Point 95: 1.62279, 4.420

Point 41: 1.05964, 56.000 Point 96: 1.63728, 4.020
Point 42: 1.06680, 52.000 Point 97: 1.64807, 3.710
Point 43: 1.07315, 48.400 Point 98: 1.65777, 3.420
Point 44: 1.07940, 44.800 Point 99: 1.66643, 3.150
Point 45: 1.08730, 40.200 Point 100: 1.67410, 2.900

Point 46: 1.09166, 37.700 Point 101: 1.68052, 2.680
Point 47: 1.09508, 35.800 Point 102: 1.68577, 2.490
Point 48: 1.09806, 34.200 Point 103: 1.69018, 2.320
Point 49: 1.10058, 32.900 Point 104: 1.69406, 2.160
Point 50: 1.10303, 31.700 Point 105: 1.69742, 2.010

Point 51: 1.10518, 30.700 Point 106: 1.70009, 1.880
Point 52: 1.10724, 29.800 Point 107: 1.70236, 1.760
Point 53: 1.10918, 29.000 Point 108: 1.70443, 1.640
Point 54: 1.11100, 28.300 Point 109: 1.70614, 1.530
Point 55: 1.11296, 27.600 Point 110: 1.70755, 1.430



BREAKPOINTS 91C/93C/330 FORMAT

Calibration Report: 423005
Sensor Model: DT-470-SD-13-1.4H
Sensor Type: Silicon Diode
Temperature Range: 1.40K to 500K

Sales Order: 13426
Serial Number: D57327

Interpolation Method: Straight Line
Limit: 500. (Kelvin)
Format: 2 (Volts/Kelvin)
Number of Breakpoints: 40

No.	Units	Temperature (K)	No.	Units	Temperature (K)
1	4.18600e-02	500.0	21	1.01494	80.0
2	4.98400e-02	495.0	22	1.04328	65.0
3	5.86600e-02	490.0	23	1.06685	52.0
4	6.82500e-02	485.0	24	1.09465	36.0
5	7.85100e-02	480.0	25	1.10236	32.0
6	8.93300e-02	475.0	26	1.10911	29.0
7	0.100620	470.0	27	1.11477	27.0
8	0.124110	460.0	28	1.11845	26.0
9	0.173260	440.0	29	1.12363	25.0
10	0.286090	395.0	30	1.13316	24.0
11	0.384970	355.0	31	1.15107	23.0
12	0.494470	310.0	32	1.19318	21.0
13	0.614380	260.0	33	1.28027	16.0
14	0.697130	225.0	34	1.34036	13.0
15	0.766820	195.0	35	1.40162	10.5
16	0.823750	170.0	36	1.48053	8.0
17	0.879480	145.0	37	1.63227	4.2
18	0.922820	125.0	38	1.68659	2.5
19	0.954470	110.0	39	1.70566	1.6
20	0.985270	95.0	40	1.70785	1.4

