



**TE-200 Sensor Use**

<b>SENSOR</b>	<b>GREYSTONE #</b>	<b>TYPICAL USER</b>
PT100-100 Ohm Platinum, IEC 751, 385 Alpha, thin film	2	Honeywell
1801 Ohm, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	5	T.A.C/CSI
3,000 Ohm, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	6	Alerton
10,000 Ohm, type 3, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	7	Andover, AAM, Teletrol, Invensys (Siebe), Multinet, Delta, Carrier
100,000 Ohm, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	9	Siemens (Landis & Staefa)
LM334 IC, 1.0uA/ $^{\circ}\text{C}$	11	T.A.C/CSI
PT1000-1000 Ohm Platinum, IEC 751, 385 Alpha, thin film	12	Invensys (Siebe), Honeywell, Johnson Controls, Siemens (Landis & Staefa)
1000 Ohm Nickel	13	Johnson Controls
20,000 Ohm, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	20	Honeywell
LM335 IC, 10mv/ $^{\circ}\text{C}$	21	Solidyne, IECC
10,000 Ohm, type 2, NTC Thermistor, $\pm 0.2^{\circ}\text{C}$	24	Trane, Automated Logic, T.A.C/CSI, Solidyne, Alerton

**Please note that above are "typical" uses and may differ on a product by product basis or change at any time.**

Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	84.2713	-40.0	14.0	105.4599	57.2	68.0	126.3063	154.4
-39.0	84.6670	-38.2	15.0	105.8490	59.0	69.0	126.6891	156.2
-38.0	85.0625	-36.4	16.0	106.2380	60.8	70.0	127.0718	158.0
-37.0	85.4579	-34.6	17.0	106.6269	62.6	71.0	127.4545	159.8
-36.0	85.8532	-32.8	18.0	107.0156	64.4	72.0	127.8370	161.6
-35.0	86.2484	-31.0	19.0	107.4043	66.2	73.0	128.2194	163.4
-34.0	86.6434	-29.2	20.0	107.7928	68.0	74.0	128.6016	165.2
-33.0	87.0383	-27.4	21.0	108.1813	69.8	75.0	128.9838	167.0
-32.0	87.4331	-25.6	22.0	108.5696	71.6	76.0	129.3658	168.8
-31.0	87.8277	-23.8	23.0	108.9578	73.4	77.0	129.7478	170.6
-30.0	88.2222	-22.0	24.0	109.3458	75.2	78.0	130.1296	172.4
-29.0	88.6166	-20.2	25.0	109.7338	77.0	79.0	130.5113	174.2
-28.0	89.0109	-18.4	26.0	110.1216	78.8	80.0	130.8928	176.0
-27.0	89.4050	-16.6	27.0	110.5094	80.6	81.0	131.2743	177.8
-26.0	89.7990	-14.8	28.0	110.8970	82.4	82.0	131.6556	179.6
-25.0	90.1929	-13.0	29.0	111.2845	84.2	83.0	132.0369	181.4
-24.0	90.5866	-11.2	30.0	111.6718	86.0	84.0	132.4180	183.2
-23.0	90.9802	-9.4	31.0	112.0591	87.8	85.0	132.7990	185.0
-22.0	91.3737	-7.6	32.0	112.4463	89.6	86.0	133.1799	186.8
-21.0	91.7671	-5.8	33.0	112.8333	91.4	87.0	133.5606	188.6
-20.0	92.1603	-4.0	34.0	113.2202	93.2	88.0	133.9413	190.4
-19.0	92.5535	-2.2	35.0	113.6070	95.0	89.0	134.3218	192.2
-18.0	92.9465	-0.4	36.0	113.9937	96.8	90.0	134.7022	194.0
-17.0	93.3394	1.4	37.0	114.3802	98.6	91.0	135.0825	195.8
-16.0	93.7321	3.2	38.0	114.7667	100.4	92.0	135.4627	197.6
-15.0	94.1247	5.0	39.0	115.1530	102.2	93.0	135.8428	199.4
-14.0	94.5173	6.8	40.0	115.5392	104.0	94.0	136.2227	201.2
-13.0	94.9097	8.6	41.0	115.9254	105.8	95.0	136.6026	203.0
-12.0	95.3019	10.4	42.0	116.3113	107.6	96.0	136.9823	204.8
-11.0	95.6941	12.2	43.0	116.6972	109.4	97.0	137.3619	206.6
-10.0	96.0861	14.0	44.0	117.0830	111.2	98.0	137.7414	208.4
-9.0	96.4780	15.8	45.0	117.4686	113.0	99.0	138.1207	210.2
-8.0	96.8698	17.6	46.0	117.8541	114.8	100.0	138.5000	212.0
-7.0	97.2615	19.4	47.0	118.2395	116.6	101.0	138.8791	213.8
-6.0	97.6531	21.2	48.0	118.6248	118.4	102.0	139.2582	215.6
-5.0	98.0445	23.0	49.0	119.0100	120.2	103.0	139.6371	217.4
-4.0	98.4359	24.8	50.0	119.3951	122.0	104.0	140.0159	219.2
-3.0	98.8271	26.6	51.0	119.7800	123.8	105.0	140.3945	221.0
-2.0	99.2182	28.4	52.0	120.1648	125.6	106.0	140.7731	222.8
-1.0	99.6091	30.2	53.0	120.5495	127.4	107.0	141.1515	224.6
0.0	100.0000	32.0	54.0	120.9341	129.2	108.0	141.5299	226.4
1.0	100.3907	33.8	55.0	121.3186	131.0	109.0	141.9081	228.2
2.0	100.7814	35.6	56.0	121.7030	132.8	110.0	142.2862	230.0
3.0	101.1719	37.4	57.0	122.0872	134.6	111.0	142.6642	231.8
4.0	101.5623	39.2	58.0	122.4713	136.4	112.0	143.0420	233.6
5.0	101.9526	41.0	59.0	122.8554	138.2	113.0	143.4198	235.4
6.0	102.3427	42.8	60.0	123.2392	140.0	114.0	143.7974	237.2
7.0	102.7328	44.6	61.0	123.6230	141.8	115.0	144.1749	239.0
8.0	103.1227	46.4	62.0	124.0067	143.6	116.0	144.5523	240.8
9.0	103.5125	48.2	63.0	124.3902	145.4	117.0	144.9296	242.6
10.0	103.9022	50.0	64.0	124.7737	147.2	118.0	145.3068	244.4
11.0	104.2918	51.8	65.0	125.1570	149.0	119.0	145.6838	246.2
12.0	104.6813	53.6	66.0	125.5402	150.8	120.0	146.0608	248.0
13.0	105.0706	55.4	67.0	125.9233	152.6			



Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	38631.45	-40.0	14.0	2786.15	57.2	68.0	415.31	154.4
-39.0	36470.25	-38.2	15.0	2674.49	59.0	69.0	403.06	156.2
-38.0	34453.13	-36.4	16.0	2568.23	60.8	70.0	391.18	158.0
-37.0	32544.07	-34.6	17.0	2467.37	62.6	71.0	379.65	159.8
-36.0	30761.08	-32.8	18.0	2370.12	64.4	72.0	368.48	161.6
-35.0	29086.15	-31.0	19.0	2276.46	66.2	73.0	357.68	163.4
-34.0	27519.28	-29.2	20.0	2188.22	68.0	74.0	347.41	165.2
-33.0	26042.46	-27.4	21.0	2103.57	69.8	75.0	337.33	167.0
-32.0	24637.68	-25.6	22.0	2022.52	71.6	76.0	327.78	168.8
-31.0	23340.96	-23.8	23.0	1945.08	73.4	77.0	318.42	170.6
-30.0	22098.27	-22.0	24.0	1871.24	75.2	78.0	309.23	172.4
-29.0	20945.63	-20.2	25.0	1801.00	77.0	79.0	300.59	174.2
-28.0	19865.03	-18.4	26.0	1733.28	78.8	80.0	292.12	176.0
-27.0	18838.46	-16.6	27.0	1668.63	80.6	81.0	284.02	177.8
-26.0	17862.32	-14.8	28.0	1606.67	82.4	82.0	276.09	179.6
-25.0	16949.21	-13.0	29.0	1547.24	84.2	83.0	268.35	181.4
-24.0	16090.13	-11.2	30.0	1490.51	86.0	84.0	260.96	183.2
-23.0	15277.88	-9.4	31.0	1435.94	87.8	85.0	253.94	185.0
-22.0	14512.46	-7.6	32.0	1383.89	89.6	86.0	246.92	186.8
-21.0	13790.26	-5.8	33.0	1333.82	91.4	87.0	240.25	188.6
-20.0	13107.68	-4.0	34.0	1285.91	93.2	88.0	233.77	190.4
-19.0	12462.92	-2.2	35.0	1239.99	95.0	89.0	227.47	192.2
-18.0	11854.18	-0.4	36.0	1196.04	96.8	90.0	221.34	194.0
-17.0	11279.66	1.4	37.0	1153.72	98.6	91.0	215.58	195.8
-16.0	10733.96	3.2	38.0	1113.20	100.4	92.0	209.82	197.6
-15.0	10220.68	5.0	39.0	1074.30	102.2	93.0	204.23	199.4
-14.0	9732.60	6.8	40.0	1037.02	104.0	94.0	199.01	201.2
-13.0	9271.55	8.6	41.0	1001.18	105.8	95.0	193.79	203.0
-12.0	8835.71	10.4	42.0	966.78	107.6	96.0	188.74	204.8
-11.0	8421.48	12.2	43.0	933.82	109.4	97.0	183.88	206.6
-10.0	8030.66	14.0	44.0	901.94	111.2	98.0	179.20	208.4
-9.0	7659.65	15.8	45.0	871.50	113.0	99.0	174.52	210.2
-8.0	7308.46	17.6	46.0	842.15	114.8	100.0	170.19	212.0
-7.0	6973.47	19.4	47.0	814.05	116.6	101.0	165.87	213.8
-6.0	6658.30	21.2	48.0	787.04	118.4	102.0	161.73	215.6
-5.0	6357.53	23.0	49.0	760.92	120.2	103.0	157.59	217.4
-4.0	6072.97	24.8	50.0	735.89	122.0	104.0	153.63	219.2
-3.0	5802.82	26.6	51.0	711.94	123.8	105.0	149.84	221.0
-2.0	5545.28	28.4	52.0	688.70	125.6	106.0	146.06	222.8
-1.0	5302.14	30.2	53.0	666.37	127.4	107.0	142.64	224.6
0.0	5069.82	32.0	54.0	644.94	129.2	108.0	139.04	226.4
1.0	4848.29	33.8	55.0	624.41	131.0	109.0	135.62	228.2
2.0	4639.38	35.6	56.0	604.42	132.8	110.0	132.37	230.0
3.0	4439.47	37.4	57.0	585.33	134.6	111.0	129.13	231.8
4.0	4250.36	39.2	58.0	566.77	136.4	112.0	126.07	233.6
5.0	4070.26	41.0	59.0	549.12	138.2	113.0	123.01	235.4
6.0	3897.36	42.8	60.0	532.02	140.0	114.0	120.13	237.2
7.0	3735.27	44.6	61.0	515.45	141.8	115.0	117.25	239.0
8.0	3578.59	46.4	62.0	499.60	143.6	116.0	114.54	240.8
9.0	3430.91	48.2	63.0	484.29	145.4	117.0	111.84	242.6
10.0	3288.63	50.0	64.0	469.52	147.2	118.0	109.32	244.4
11.0	3153.55	51.8	65.0	455.29	149.0	119.0	106.80	246.2
12.0	3025.68	53.6	66.0	441.43	150.8	120.0	104.28	248.0
13.0	2903.21	55.4	67.0	428.28	152.6			

NOTE: Temperature cycling below -25 Deg. C or above +125 Deg. C is not recommended.

Sensor tolerance is +/-0.5 Deg. C in the range -20-50 Deg. C.



Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	101160.00	-40.0	14.0	4941.00	57.2	68.0	563.40	154.4
-39.0	94650.00	-38.2	15.0	4713.00	59.0	69.0	544.20	156.2
-38.0	88620.00	-36.4	16.0	4500.00	60.8	70.0	525.90	158.0
-37.0	83010.00	-34.6	17.0	4296.00	62.6	71.0	508.50	159.8
-36.0	77790.00	-32.8	18.0	4104.00	64.4	72.0	491.40	161.6
-35.0	72930.00	-31.0	19.0	3921.00	66.2	73.0	475.20	163.4
-34.0	68400.00	-29.2	20.0	3747.00	68.0	74.0	459.60	165.2
-33.0	64170.00	-27.4	21.0	3582.00	69.8	75.0	444.60	167.0
-32.0	60240.00	-25.6	22.0	3426.00	71.6	76.0	429.90	168.8
-31.0	56580.00	-23.8	23.0	3276.00	73.4	77.0	416.10	170.6
-30.0	53160.00	-22.0	24.0	3135.00	75.2	78.0	402.60	172.4
-29.0	49950.00	-20.2	25.0	3000.00	77.0	79.0	389.70	174.2
-28.0	46980.00	-18.4	26.0	2871.60	78.8	80.0	377.40	176.0
-27.0	44190.00	-16.6	27.0	2749.50	80.6	81.0	365.40	177.8
-26.0	41580.00	-14.8	28.0	2633.10	82.4	82.0	353.70	179.6
-25.0	39150.00	-13.0	29.0	2522.40	84.2	83.0	342.60	181.4
-24.0	36870.00	-11.2	30.0	2416.80	86.0	84.0	331.80	183.2
-23.0	34740.00	-9.4	31.0	2316.30	87.8	85.0	321.60	185.0
-22.0	32760.00	-7.6	32.0	2220.60	89.6	86.0	311.70	186.8
-21.0	30900.00	-5.8	33.0	2129.40	91.4	87.0	302.10	188.6
-20.0	29139.00	-4.0	34.0	2042.40	93.2	88.0	292.77	190.4
-19.0	27498.00	-2.2	35.0	1959.30	95.0	89.0	283.83	192.2
-18.0	25962.00	-0.4	36.0	1880.10	96.8	90.0	275.22	194.0
-17.0	24519.00	1.4	37.0	1804.50	98.6	91.0	266.91	195.8
-16.0	23166.00	3.2	38.0	1732.20	100.4	92.0	258.90	197.6
-15.0	21894.00	5.0	39.0	1663.50	102.2	93.0	251.16	199.4
-14.0	20700.00	6.8	40.0	1597.80	104.0	94.0	243.69	201.2
-13.0	19578.00	8.6	41.0	1534.80	105.8	95.0	236.46	203.0
-12.0	18525.00	10.4	42.0	1474.80	107.6	96.0	229.50	204.8
-11.0	17535.00	12.2	43.0	1417.50	109.4	97.0	222.78	206.6
-10.0	16602.00	14.0	44.0	1362.90	111.2	98.0	216.27	208.4
-9.0	15726.00	15.8	45.0	1310.40	113.0	99.0	210.00	210.2
-8.0	14901.00	17.6	46.0	1260.30	114.8	100.0	203.94	212.0
-7.0	14124.00	19.4	47.0	1212.30	116.6	101.0	198.06	213.8
-6.0	13392.00	21.2	48.0	1166.40	118.4	102.0	192.39	215.6
-5.0	12702.00	23.0	49.0	1122.60	120.2	103.0	186.93	217.4
-4.0	12051.00	24.8	50.0	1080.60	122.0	104.0	181.62	219.2
-3.0	11436.00	26.6	51.0	1040.40	123.8	105.0	176.52	221.0
-2.0	10860.00	28.4	52.0	1002.00	125.6	106.0	171.57	222.8
-1.0	10314.00	30.2	53.0	965.10	127.4	107.0	166.77	224.6
0.0	9798.00	32.0	54.0	929.70	129.2	108.0	162.12	226.4
1.0	9312.00	33.8	55.0	896.10	131.0	109.0	157.65	228.2
2.0	8853.00	35.6	56.0	863.40	132.8	110.0	153.30	230.0
3.0	8418.00	37.4	57.0	832.50	134.6	111.0	149.10	231.8
4.0	8007.00	39.2	58.0	802.50	136.4	112.0	145.05	233.6
5.0	7620.00	41.0	59.0	774.00	138.2	113.0	141.12	235.4
6.0	7254.00	42.8	60.0	746.70	140.0	114.0	137.31	237.2
7.0	6906.00	44.6	61.0	720.30	141.8	115.0	133.62	239.0
8.0	6576.00	46.4	62.0	695.10	143.6	116.0	130.05	240.8
9.0	6267.00	48.2	63.0	670.80	145.4	117.0	126.57	242.6
10.0	5970.00	50.0	64.0	647.40	147.2	118.0	123.24	244.4
11.0	5691.00	51.8	65.0	625.20	149.0	119.0	119.97	246.2
12.0	5427.00	53.6	66.0	603.60	150.8	120.0	116.82	248.0
13.0	5178.00	55.4	67.0	583.20	152.6			

NOTE: Temperature cycling below -25 Deg. C or above +125 Deg. C is not recommended.

Sensor tolerance is +/- 0.2 Deg. C in the range 0-70 Deg. C.



Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	239800.0	-40.0	14.0	15790.0	57.2	68.0	2122.0	154.4
-39.0	226000.0	-38.2	15.0	15130.0	59.0	69.0	2055.0	156.2
-38.0	213200.0	-36.4	16.0	14500.0	60.8	70.0	1990.0	158.0
-37.0	201100.0	-34.6	17.0	13900.0	62.6	71.0	1928.0	159.8
-36.0	189800.0	-32.8	18.0	13330.0	64.4	72.0	1868.0	161.6
-35.0	179200.0	-31.0	19.0	12790.0	66.2	73.0	1810.0	163.4
-34.0	169300.0	-29.2	20.0	12260.0	68.0	74.0	1754.0	165.2
-33.0	160000.0	-27.4	21.0	11770.0	69.8	75.0	1700.0	167.0
-32.0	151200.0	-25.6	22.0	11290.0	71.6	76.0	1648.0	168.8
-31.0	143000.0	-23.8	23.0	10840.0	73.4	77.0	1598.0	170.6
-30.0	135200.0	-22.0	24.0	10410.0	75.2	78.0	1549.0	172.4
-29.0	127900.0	-20.2	25.0	10000.0	77.0	79.0	1503.0	174.2
-28.0	121100.0	-18.4	26.0	9605.0	78.8	80.0	1458.0	176.0
-27.0	114600.0	-16.6	27.0	9227.0	80.6	81.0	1414.0	177.8
-26.0	108600.0	-14.8	28.0	8867.0	82.4	82.0	1372.0	179.6
-25.0	102900.0	-13.0	29.0	8523.0	84.2	83.0	1332.0	181.4
-24.0	97490.0	-11.2	30.0	8194.0	86.0	84.0	1293.0	183.2
-23.0	92430.0	-9.4	31.0	7880.0	87.8	85.0	1255.0	185.0
-22.0	87660.0	-7.6	32.0	7579.0	89.6	86.0	1218.0	186.8
-21.0	83160.0	-5.8	33.0	7291.0	91.4	87.0	1183.0	188.6
-20.0	78910.0	-4.0	34.0	7016.0	93.2	88.0	1149.0	190.4
-19.0	74910.0	-2.2	35.0	6752.0	95.0	89.0	1116.0	192.2
-18.0	71130.0	-0.4	36.0	6500.0	96.8	90.0	1084.0	194.0
-17.0	67570.0	1.4	37.0	6258.0	98.6	91.0	1053.0	195.8
-16.0	64200.0	3.2	38.0	6026.0	100.4	92.0	1023.0	197.6
-15.0	61020.0	5.0	39.0	5805.0	102.2	93.0	994.2	199.4
-14.0	58012.0	6.8	40.0	5592.0	104.0	94.0	966.3	201.2
-13.0	55170.0	8.6	41.0	5389.0	105.8	95.0	939.3	203.0
-12.0	52480.0	10.4	42.0	5193.0	107.6	96.0	913.2	204.8
-11.0	49940.0	12.2	43.0	5006.0	109.4	97.0	887.9	206.6
-10.0	47540.0	14.0	44.0	4827.0	111.2	98.0	863.4	208.4
-9.0	45270.0	15.8	45.0	4655.0	113.0	99.0	839.7	210.2
-8.0	43110.0	17.6	46.0	4489.0	114.8	100.0	816.8	212.0
-7.0	41070.0	19.4	47.0	4331.0	116.6	101.0	794.6	213.8
-6.0	39140.0	21.2	48.0	4179.0	118.4	102.0	773.1	215.6
-5.0	37310.0	23.0	49.0	4033.0	120.2	103.0	752.3	217.4
-4.0	35570.0	24.8	50.0	3893.0	122.0	104.0	732.1	219.2
-3.0	33930.0	26.6	51.0	3758.0	123.8	105.0	712.6	221.0
-2.0	32370.0	28.4	52.0	3629.0	125.6	106.0	693.6	222.8
-1.0	30890.0	30.2	53.0	3504.0	127.4	107.0	675.3	224.6
0.0	29490.0	32.0	54.0	3385.0	129.2	108.0	657.5	226.4
1.0	28150.0	33.8	55.0	3270.0	131.0	109.0	640.3	228.2
2.0	26890.0	35.6	56.0	3160.0	132.8	110.0	623.5	230.0
3.0	25690.0	37.4	57.0	3054.0	134.6	111.0	607.3	231.8
4.0	24550.0	39.2	58.0	2952.0	136.4	112.0	591.6	233.6
5.0	23460.0	41.0	59.0	2854.0	138.2	113.0	576.4	235.4
6.0	22430.0	42.8	60.0	2760.0	140.0	114.0	561.6	237.2
7.0	21450.0	44.6	61.0	2669.0	141.8	115.0	547.3	239.0
8.0	20520.0	46.4	62.0	2582.0	143.6	116.0	533.4	240.8
9.0	19630.0	48.2	63.0	2497.0	145.4	117.0	519.9	242.6
10.0	18790.0	50.0	64.0	2417.0	147.2	118.0	506.8	244.4
11.0	17980.0	51.8	65.0	2339.0	149.0	119.0	494.1	246.2
12.0	17220.0	53.6	66.0	2264.0	150.8	120.0	481.8	248.0
13.0	16490.0	55.4	67.0	2191.0	152.6			

NOTE: Temperature cycling below -25 Deg. C or above +125 Deg. C is not recommended.

Sensor tolerance is +/- 0.2 Deg. C in the range 0-70 Deg. C.



Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	4070000	-40.0	14.0	169900	57.2	68.0	16690	154.4
-39.0	3798000	-38.2	15.0	161700	59.0	69.0	16080	156.2
-38.0	3546000	-36.4	16.0	153900	60.8	70.0	15500	158.0
-37.0	3312000	-34.6	17.0	146500	62.6	71.0	14940	159.8
-36.0	3095000	-32.8	18.0	139600	64.4	72.0	14410	161.6
-35.0	2893000	-31.0	19.0	133000	66.2	73.0	13900	163.4
-34.0	2706000	-29.2	20.0	126700	68.0	74.0	13410	165.2
-33.0	2532000	-27.4	21.0	120800	69.8	75.0	12930	167.0
-32.0	2369000	-25.6	22.0	115200	71.6	76.0	12480	168.8
-31.0	2218000	-23.8	23.0	109800	73.4	77.0	12050	170.6
-30.0	2078000	-22.0	24.0	104800	75.2	78.0	11630	172.4
-29.0	1946000	-20.2	25.0	100000	77.0	79.0	11230	174.2
-28.0	1824000	-18.4	26.0	95450	78.8	80.0	10840	176.0
-27.0	1710000	-16.6	27.0	91120	80.6	81.0	10470	177.8
-26.0	1604000	-14.8	28.0	87020	82.4	82.0	10110	179.6
-25.0	1505000	-13.0	29.0	83120	84.2	83.0	9769	181.4
-24.0	1413000	-11.2	30.0	79420	86.0	84.0	9439	183.2
-23.0	1327000	-9.4	31.0	75900	87.8	85.0	9122	185.0
-22.0	1247000	-7.6	32.0	72560	89.6	86.0	8817	186.8
-21.0	1173000	-5.8	33.0	69380	91.4	87.0	8524	188.6
-20.0	1103000	-4.0	34.0	66360	93.2	88.0	8241	190.4
-19.0	1038000	-2.2	35.0	63480	95.0	89.0	7969	192.2
-18.0	977600	-0.4	36.0	60740	96.8	90.0	7708	194.0
-17.0	920900	1.4	37.0	58140	98.6	91.0	7456	195.8
-16.0	867700	3.2	38.0	55660	100.4	92.0	7213	197.6
-15.0	818000	5.0	39.0	53300	102.2	93.0	6979	199.4
-14.0	771300	6.8	40.0	51050	104.0	94.0	6754	201.2
-13.0	727600	8.6	41.0	48910	105.8	95.0	6538	203.0
-12.0	686500	10.4	42.0	46860	107.6	96.0	6329	204.8
-11.0	648000	12.2	43.0	44920	109.4	97.0	6129	206.6
-10.0	611900	14.0	44.0	43060	111.2	98.0	5935	208.4
-9.0	578000	15.8	45.0	41290	113.0	99.0	5749	210.2
-8.0	546100	17.6	46.0	39600	114.8	100.0	5569	212.0
-7.0	516100	19.4	47.0	37990	116.6	101.0	5396	213.8
-6.0	488000	21.2	48.0	36460	118.4	102.0	5230	215.6
-5.0	461500	23.0	49.0	34990	120.2	103.0	5069	217.4
-4.0	436700	24.8	50.0	33590	122.0	104.0	4914	219.2
-3.0	413300	26.6	51.0	32250	123.8	105.0	4764	221.0
-2.0	391200	28.4	52.0	30980	125.6	106.0	4620	222.8
-1.0	370500	30.2	53.0	29760	127.4	107.0	4480	224.6
0.0	351000	32.0	54.0	28590	129.2	108.0	4346	226.4
1.0	332600	33.8	55.0	27470	131.0	109.0	4216	228.2
2.0	315300	35.6	56.0	26410	132.8	110.0	4090	230.0
3.0	298900	37.4	57.0	25390	134.6	111.0	3969	231.8
4.0	283600	39.2	58.0	24410	136.4	112.0	3852	233.6
5.0	269000	41.0	59.0	23480	138.2	113.0	3738	235.4
6.0	255300	42.8	60.0	22590	140.0	114.0	3629	237.2
7.0	242400	44.6	61.0	21740	141.8	115.0	3523	239.0
8.0	230200	46.4	62.0	20920	143.6	116.0	3421	240.8
9.0	218700	48.2	63.0	20130	145.4	117.0	3322	242.6
10.0	207800	50.0	64.0	19380	147.2	118.0	3227	244.4
11.0	197500	51.8	65.0	18670	149.0	119.0	3134	246.2
12.0	187800	53.6	66.0	17980	150.8	120.0	3045	248.0
13.0	178600	55.4	67.0	17320	152.6			

NOTE: Temperature cycling below -25 Deg. C or above +125 Deg. C is not recommended.

Sensor tolerance is +/- 0.2 Deg. C in the range 0-70 Deg. C.



Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	842.713	-40.0	14.0	1054.599	57.2	68.0	1263.063	154.4
-39.0	846.670	-38.2	15.0	1058.490	59.0	69.0	1266.891	156.2
-38.0	850.625	-36.4	16.0	1062.380	60.8	70.0	1270.718	158.0
-37.0	854.579	-34.6	17.0	1066.269	62.6	71.0	1274.545	159.8
-36.0	858.532	-32.8	18.0	1070.156	64.4	72.0	1278.370	161.6
-35.0	862.484	-31.0	19.0	1074.043	66.2	73.0	1282.194	163.4
-34.0	866.434	-29.2	20.0	1077.928	68.0	74.0	1286.016	165.2
-33.0	870.383	-27.4	21.0	1081.813	69.8	75.0	1289.838	167.0
-32.0	874.331	-25.6	22.0	1085.696	71.6	76.0	1293.658	168.8
-31.0	878.277	-23.8	23.0	1089.578	73.4	77.0	1297.478	170.6
-30.0	882.222	-22.0	24.0	1093.458	75.2	78.0	1301.296	172.4
-29.0	886.166	-20.2	25.0	1097.338	77.0	79.0	1305.113	174.2
-28.0	890.109	-18.4	26.0	1101.216	78.8	80.0	1308.928	176.0
-27.0	894.050	-16.6	27.0	1105.094	80.6	81.0	1312.743	177.8
-26.0	897.990	-14.8	28.0	1108.970	82.4	82.0	1316.556	179.6
-25.0	901.929	-13.0	29.0	1112.845	84.2	83.0	1320.369	181.4
-24.0	905.866	-11.2	30.0	1116.718	86.0	84.0	1324.180	183.2
-23.0	909.802	-9.4	31.0	1120.591	87.8	85.0	1327.990	185.0
-22.0	913.737	-7.6	32.0	1124.463	89.6	86.0	1331.799	186.8
-21.0	917.671	-5.8	33.0	1128.333	91.4	87.0	1335.606	188.6
-20.0	921.603	-4.0	34.0	1132.202	93.2	88.0	1339.413	190.4
-19.0	925.535	-2.2	35.0	1136.070	95.0	89.0	1343.218	192.2
-18.0	929.465	-0.4	36.0	1139.937	96.8	90.0	1347.022	194.0
-17.0	933.394	1.4	37.0	1143.802	98.6	91.0	1350.825	195.8
-16.0	937.321	3.2	38.0	1147.667	100.4	92.0	1354.627	197.6
-15.0	941.247	5.0	39.0	1151.530	102.2	93.0	1358.428	199.4
-14.0	945.173	6.8	40.0	1155.392	104.0	94.0	1362.227	201.2
-13.0	949.097	8.6	41.0	1159.254	105.8	95.0	1366.026	203.0
-12.0	953.019	10.4	42.0	1163.113	107.6	96.0	1369.823	204.8
-11.0	956.941	12.2	43.0	1166.972	109.4	97.0	1373.619	206.6
-10.0	960.861	14.0	44.0	1170.830	111.2	98.0	1377.414	208.4
-9.0	964.780	15.8	45.0	1174.686	113.0	99.0	1381.207	210.2
-8.0	968.698	17.6	46.0	1178.541	114.8	100.0	1385.000	212.0
-7.0	972.615	19.4	47.0	1182.395	116.6	101.0	1388.791	213.8
-6.0	976.531	21.2	48.0	1186.248	118.4	102.0	1392.582	215.6
-5.0	980.445	23.0	49.0	1190.100	120.2	103.0	1396.371	217.4
-4.0	984.359	24.8	50.0	1193.951	122.0	104.0	1400.159	219.2
-3.0	988.271	26.6	51.0	1197.800	123.8	105.0	1403.945	221.0
-2.0	992.182	28.4	52.0	1201.648	125.6	106.0	1407.731	222.8
-1.0	996.091	30.2	53.0	1205.495	127.4	107.0	1411.515	224.6
0.0	1000.000	32.0	54.0	1209.341	129.2	108.0	1415.299	226.4
1.0	1003.907	33.8	55.0	1213.186	131.0	109.0	1419.081	228.2
2.0	1007.814	35.6	56.0	1217.030	132.8	110.0	1422.862	230.0
3.0	1011.719	37.4	57.0	1220.872	134.6	111.0	1426.642	231.8
4.0	1015.623	39.2	58.0	1224.713	136.4	112.0	1430.420	233.6
5.0	1019.526	41.0	59.0	1228.554	138.2	113.0	1434.198	235.4
6.0	1023.427	42.8	60.0	1232.392	140.0	114.0	1437.974	237.2
7.0	1027.328	44.6	61.0	1236.230	141.8	115.0	1441.749	239.0
8.0	1031.227	46.4	62.0	1240.067	143.6	116.0	1445.523	240.8
9.0	1035.125	48.2	63.0	1243.902	145.4	117.0	1449.296	242.6
10.0	1039.022	50.0	64.0	1247.737	147.2	118.0	1453.068	244.4
11.0	1042.918	51.8	65.0	1251.570	149.0	119.0	1456.838	246.2
12.0	1046.813	53.6	66.0	1255.402	150.8	120.0	1460.608	248.0
13.0	1050.706	55.4	67.0	1259.233	152.6			

Temp (Deg C)	Res (ohms)	Temp (Deg F)	Temp (Deg C)	Res (ohms)	Temp (Deg F)	Temp (Deg C)	Res (ohms)	Temp (Deg F)
-40	705.06	-40.0	14	960.58	57.2	68	1251.26	154.4
-39	709.47	-38.2	15	965.64	59.0	69	1256.99	156.2
-38	713.90	-36.4	16	970.71	60.8	70	1262.73	158.0
-37	718.33	-34.6	17	975.80	62.6	71	1268.49	159.8
-36	722.78	-32.8	18	980.89	64.4	72	1274.26	161.6
-35	727.25	-31.0	19	986.00	66.2	73	1280.05	163.4
-34	731.72	-29.2	20	991.12	68.0	74	1285.85	165.2
-33	736.21	-27.4	21	996.25	69.8	75	1291.66	167.0
-32	740.71	-25.6	22	1001.39	71.6	76	1297.48	168.8
-31	745.22	-23.8	23	1006.55	73.4	77	1303.32	170.6
-30	749.74	-22.0	24	1011.71	75.2	78	1309.17	172.4
-29	754.27	-20.2	25	1016.89	77.0	79	1315.04	174.2
-28	758.82	-18.4	26	1022.08	78.8	80	1320.92	176.0
-27	763.38	-16.6	27	1027.29	80.6	81	1326.81	177.8
-26	767.95	-14.8	28	1032.50	82.4	82	1332.72	179.6
-25	772.53	-13.0	29	1037.73	84.2	83	1338.64	181.4
-24	777.13	-11.2	30	1042.97	86.0	84	1344.58	183.2
-23	781.74	-9.4	31	1048.22	87.8	85	1350.53	185.0
-22	786.36	-7.6	32	1053.48	89.6	86	1356.49	186.8
-21	790.99	-5.8	33	1058.76	91.4	87	1362.47	188.6
-20	795.63	-4.0	34	1064.05	93.2	88	1368.46	190.4
-19	800.29	-2.2	35	1069.35	95.0	89	1374.47	192.2
-18	804.95	-0.4	36	1074.66	96.8	90	1380.49	194.0
-17	809.63	1.4	37	1079.98	98.6	91	1386.52	195.8
-16	814.32	3.2	38	1085.32	100.4	92	1392.57	197.6
-15	819.03	5.0	39	1090.67	102.2	93	1398.63	199.4
-14	823.74	6.8	40	1096.03	104.0	94	1404.71	201.2
-13	828.47	8.6	41	1101.40	105.8	95	1410.80	203.0
-12	833.21	10.4	42	1106.79	107.6	96	1416.91	204.8
-11	837.96	12.2	43	1112.19	109.4	97	1423.03	206.6
-10	842.72	14.0	44	1117.60	111.2	98	1429.17	208.4
-9	847.50	15.8	45	1123.02	113.0	99	1435.32	210.2
-8	852.28	17.6	46	1128.46	114.8	100	1441.48	212.0
-7	857.08	19.4	47	1133.91	116.6	101	1447.66	213.8
-6	861.89	21.2	48	1139.37	118.4	102	1453.86	215.6
-5	866.71	23.0	49	1144.84	120.2	103	1460.07	217.4
-4	871.55	24.8	50	1150.33	122.0	104	1466.29	219.2
-3	876.39	26.6	51	1155.82	123.8	105	1472.54	221.0
-2	881.25	28.4	52	1161.34	125.6	106	1478.79	222.8
-1	886.12	30.2	53	1166.86	127.4	107	1485.06	224.6
0	891.00	32.0	54	1172.40	129.2	108	1491.35	226.4
1	895.89	33.8	55	1177.95	131.0	109	1497.65	228.2
2	900.80	35.6	56	1183.51	132.8	110	1503.97	230.0
3	905.71	37.4	57	1189.08	134.6	111	1510.30	231.8
4	910.64	39.2	58	1194.67	136.4	112	1516.65	233.6
5	915.58	41.0	59	1200.27	138.2	113	1523.02	235.4
6	920.54	42.8	60	1205.88	140.0	114	1529.40	237.2
7	925.50	44.6	61	1211.51	141.8	115	1535.79	239.0
8	930.48	46.4	62	1217.15	143.6	116	1542.21	240.8
9	935.46	48.2	63	1222.80	145.4	117	1548.63	242.6
10	940.46	50.0	64	1228.47	147.2	118	1555.08	244.4
11	945.48	51.8	65	1234.15	149.0	119	1561.54	246.2
12	950.50	53.6	66	1239.84	150.8	120	1568.01	248.0
13	955.53	55.4	67	1245.54	152.6			



Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	814000	-40.0	14.0	33980	57.2	68.0	3338	154.4
-39.0	759600	-38.2	15.0	32340	59.0	69.0	3216	156.2
-38.0	709200	-36.4	16.0	30780	60.8	70.0	3100	158.0
-37.0	662400	-34.6	17.0	29300	62.6	71.0	2988	159.8
-36.0	619000	-32.8	18.0	27920	64.4	72.0	2882	161.6
-35.0	578600	-31.0	19.0	26600	66.2	73.0	2780	163.4
-34.0	541200	-29.2	20.0	25340	68.0	74.0	2682	165.2
-33.0	506400	-27.4	21.0	24160	69.8	75.0	2586	167.0
-32.0	473800	-25.6	22.0	23040	71.6	76.0	2496	168.8
-31.0	443600	-23.8	23.0	21960	73.4	77.0	2410	170.6
-30.0	415600	-22.0	24.0	20960	75.2	78.0	2326	172.4
-29.0	389200	-20.2	25.0	20000	77.0	79.0	2246	174.2
-28.0	364800	-18.4	26.0	19090	78.8	80.0	2168	176.0
-27.0	342000	-16.6	27.0	18224	80.6	81.0	2094	177.8
-26.0	320800	-14.8	28.0	17404	82.4	82.0	2022	179.6
-25.0	301000	-13.0	29.0	16624	84.2	83.0	1953.8	181.4
-24.0	282600	-11.2	30.0	15884	86.0	84.0	1887.8	183.2
-23.0	265400	-9.4	31.0	15180	87.8	85.0	1824.4	185.0
-22.0	249400	-7.6	32.0	14512	89.6	86.0	1763.4	186.8
-21.0	234600	-5.8	33.0	13876	91.4	87.0	1704.8	188.6
-20.0	220600	-4.0	34.0	13272	93.2	88.0	1648.2	190.4
-19.0	207600	-2.2	35.0	12696	95.0	89.0	1593.8	192.2
-18.0	195520	-0.4	36.0	12148	96.8	90.0	1541.6	194.0
-17.0	184180	1.4	37.0	11628	98.6	91.0	1491.2	195.8
-16.0	173540	3.2	38.0	11132	100.4	92.0	1442.6	197.6
-15.0	163600	5.0	39.0	10660	102.2	93.0	1395.8	199.4
-14.0	154260	6.8	40.0	10210	104.0	94.0	1350.8	201.2
-13.0	145520	8.6	41.0	9782	105.8	95.0	1307.6	203.0
-12.0	137300	10.4	42.0	9372	107.6	96.0	1265.8	204.8
-11.0	129600	12.2	43.0	8984	109.4	97.0	1225.8	206.6
-10.0	122380	14.0	44.0	8612	111.2	98.0	1187	208.4
-9.0	115600	15.8	45.0	8258	113.0	99.0	1149.8	210.2
-8.0	109220	17.6	46.0	7920	114.8	100.0	1113.8	212.0
-7.0	103220	19.4	47.0	7598	116.6	101.0	1079.2	213.8
-6.0	97600	21.2	48.0	7292	118.4	102.0	1046	215.6
-5.0	92300	23.0	49.0	6998	120.2	103.0	1013.8	217.4
-4.0	87340	24.8	50.0	6718	122.0	104.0	982.8	219.2
-3.0	82660	26.6	51.0	6450	123.8	105.0	952.8	221.0
-2.0	78240	28.4	52.0	6196	125.6	106.0	924	222.8
-1.0	74100	30.2	53.0	5952	127.4	107.0	896	224.6
0.0	70200	32.0	54.0	5718	129.2	108.0	869.2	226.4
1.0	66520	33.8	55.0	5494	131.0	109.0	843.2	228.2
2.0	63060	35.6	56.0	5282	132.8	110.0	818	230.0
3.0	59780	37.4	57.0	5078	134.6	111.0	793.8	231.8
4.0	56720	39.2	58.0	4882	136.4	112.0	770.4	233.6
5.0	53800	41.0	59.0	4696	138.2	113.0	747.6	235.4
6.0	51060	42.8	60.0	4518	140.0	114.0	725.8	237.2
7.0	48480	44.6	61.0	4348	141.8	115.0	704.6	239.0
8.0	46040	46.4	62.0	4184	143.6	116.0	684.2	240.8
9.0	43740	48.2	63.0	4026	145.4	117.0	664.4	242.6
10.0	41560	50.0	64.0	3876	147.2	118.0	645.4	244.4
11.0	39500	51.8	65.0	3734	149.0	119.0	626.8	246.2
12.0	37560	53.6	66.0	3596	150.8	120.0	609	248.0
13.0	35720	55.4	67.0	3464	152.6			

NOTE: Temperature cycling below -25 Deg. C or above +125 Deg. C is not recommended.

Sensor tolerance is +/- 0.2 Deg. C in the range 0-70 Deg. C.



Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)	Temp (Deg C)	Res (Ohms)	Temp (Deg F)
-40.0	337200.0	-40.0	14.0	16470.0	57.2	68.0	1878.0	154.4
-39.0	315500.0	-38.2	15.0	15710.0	59.0	69.0	1814.0	156.2
-38.0	295400.0	-36.4	16.0	15000.0	60.8	70.0	1753.0	158.0
-37.0	276700.0	-34.6	17.0	14320.0	62.6	71.0	1695.0	159.8
-36.0	259300.0	-32.8	18.0	13680.0	64.4	72.0	1638.0	161.6
-35.0	243100.0	-31.0	19.0	13070.0	66.2	73.0	1584.0	163.4
-34.0	228000.0	-29.2	20.0	12490.0	68.0	74.0	1532.0	165.2
-33.0	213900.0	-27.4	21.0	11940.0	69.8	75.0	1482.0	167.0
-32.0	200800.0	-25.6	22.0	11420.0	71.6	76.0	1433.0	168.8
-31.0	188600.0	-23.8	23.0	10920.0	73.4	77.0	1387.0	170.6
-30.0	177200.0	-22.0	24.0	10450.0	75.2	78.0	1342.0	172.4
-29.0	166500.0	-20.2	25.0	10000.0	77.0	79.0	1299.0	174.2
-28.0	156600.0	-18.4	26.0	9572.0	78.8	80.0	1258.0	176.0
-27.0	147300.0	-16.6	27.0	9165.0	80.6	81.0	1218.0	177.8
-26.0	138600.0	-14.8	28.0	8777.0	82.4	82.0	1179.0	179.6
-25.0	130500.0	-13.0	29.0	8408.0	84.2	83.0	1142.0	181.4
-24.0	122900.0	-11.2	30.0	8056.0	86.0	84.0	1106.0	183.2
-23.0	115800.0	-9.4	31.0	7721.0	87.8	85.0	1072.0	185.0
-22.0	109200.0	-7.6	32.0	7402.0	89.6	86.0	1039.0	186.8
-21.0	103000.0	-5.8	33.0	7098.0	91.4	87.0	1007.0	188.6
-20.0	97130.0	-4.0	34.0	6808.0	93.2	88.0	975.9	190.4
-19.0	91660.0	-2.2	35.0	6531.0	95.0	89.0	946.1	192.2
-18.0	86540.0	-0.4	36.0	6267.0	96.8	90.0	917.4	194.0
-17.0	81730.0	1.4	37.0	6015.0	98.6	91.0	889.7	195.8
-16.0	77220.0	3.2	38.0	5774.0	100.4	92.0	863.0	197.6
-15.0	72980.0	5.0	39.0	5545.0	102.2	93.0	837.2	199.4
-14.0	69000.0	6.8	40.0	5326.0	104.0	94.0	812.3	201.2
-13.0	65260.0	8.6	41.0	5116.0	105.8	95.0	788.2	203.0
-12.0	61750.0	10.4	42.0	4916.0	107.6	96.0	765.0	204.8
-11.0	58450.0	12.2	43.0	4725.0	109.4	97.0	742.6	206.6
-10.0	55340.0	14.0	44.0	4543.0	111.2	98.0	720.9	208.4
-9.0	52420.0	15.8	45.0	4368.0	113.0	99.0	700.0	210.2
-8.0	49670.0	17.6	46.0	4201.0	114.8	100.0	679.8	212.0
-7.0	47080.0	19.4	47.0	4041.0	116.6	101.0	660.2	213.8
-6.0	44640.0	21.2	48.0	3888.0	118.4	102.0	641.3	215.6
-5.0	42340.0	23.0	49.0	3742.0	120.2	103.0	623.1	217.4
-4.0	40170.0	24.8	50.0	3602.0	122.0	104.0	605.4	219.2
-3.0	38120.0	26.6	51.0	3468.0	123.8	105.0	588.4	221.0
-2.0	36200.0	28.4	52.0	3340.0	125.6	106.0	571.9	222.8
-1.0	34380.0	30.2	53.0	3217.0	127.4	107.0	555.9	224.6
0.0	32660.0	32.0	54.0	3099.0	129.2	108.0	540.4	226.4
1.0	31040.0	33.8	55.0	2987.0	131.0	109.0	525.5	228.2
2.0	29510.0	35.6	56.0	2878.0	132.8	110.0	511.0	230.0
3.0	28060.0	37.4	57.0	2775.0	134.6	111.0	497.0	231.8
4.0	26690.0	39.2	58.0	2675.0	136.4	112.0	483.5	233.6
5.0	25400.0	41.0	59.0	2580.0	138.2	113.0	470.4	235.4
6.0	24180.0	42.8	60.0	2489.0	140.0	114.0	457.7	237.2
7.0	23020.0	44.6	61.0	2401.0	141.8	115.0	445.4	239.0
8.0	21920.0	46.4	62.0	2317.0	143.6	116.0	433.5	240.8
9.0	20890.0	48.2	63.0	2236.0	145.4	117.0	421.9	242.6
10.0	19900.0	50.0	64.0	2158.0	147.2	118.0	410.8	244.4
11.0	18970.0	51.8	65.0	2084.0	149.0	119.0	399.9	246.2
12.0	18090.0	53.6	66.0	2012.0	150.8	120.0	389.4	248.0
13.0	17260.0	55.4	67.0	1944.0	152.6			

NOTE: Temperature cycling below -25 Deg. C or above +125 Deg. C is not recommended.

Sensor tolerance is +/- 0.2 Deg. C in the range 0-70 Deg. C.

The Integrated Circuit temperature sensor offers a linear voltage or current output signal that is directly proportional to the ambient temperature. This output signal is scaled to meet the end users requirements.

The LMx34 IC sensor family features both a current and a voltage output signal and is factory calibrated to output either 10 mV/° C or 1 µA/° C. The LMx35 IC sensor family features a voltage output signal and is factory calibrated to output 10 mV/° C .

A precision metal film load resistor is included in the circuit to convert the current signal to the output voltage signal. The PCB includes three connections, a "V+" for the power supply connection, a "COM" for the common connection and a "SIG" for the signal output.

To use the sensor in 2-wire current mode connect the power supply to the "V+" terminal and the output signal (1 µA/° C) will be available on the "SIG" terminal. In current mode the common is not used. To connect the sensor in 3-wire voltage mode, connect the power supply positive to the "V+" terminal, the power supply and signal common to the "COM" terminal and measure the output signal (10 mV/° C) at the "SIG" terminal with respect to common.

Power supply selection is typically 10 Vdc but can vary from 5 - 25 Vdc with no effect on the output signal.

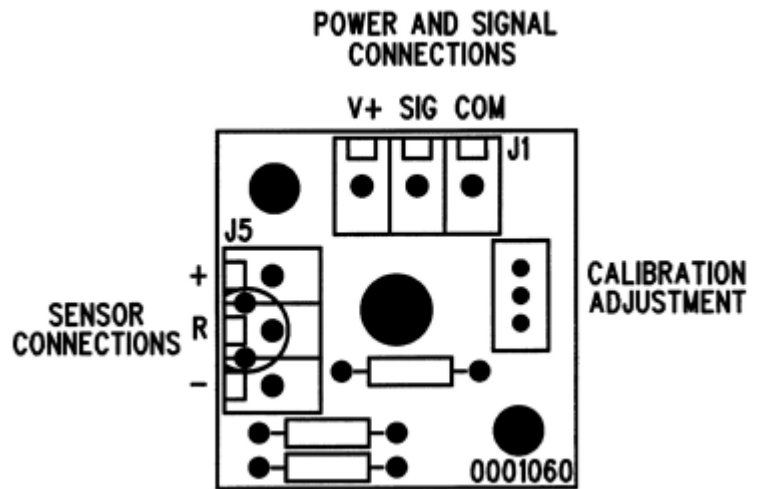
The sensors are calibrated for a 2.982 Vdc output at 25° C (298.2 µA) and the output is linear to 0 Vdc out at -273.2° C (0° K).

**Wiring**

- V+ Supply (See Below)
- SIG Signal Out
- COM Common (Voltage Mode Only)

Note: The type 21 sensor (LM335) can be used as a 2-wire device if the BAS is designed with a resistor on the supply to the sensor. In this case the supply is connected to SIG and the common to COM.

- + RED or ORANGE
- R GREEN or WHITE
- BLACK or BLUE



**Specifications**

	LM134	LM234	LM334	LM135	LM235	LM335
SUPPLY VOLTAGE	5 – 25 Vdc			10 – 25 Vdc		
OUTPUT VOLTAGE/° C	10mV/° C			10mV/° C		
OUTPUT VOLTAGE @ 25° C	2.982 Vdc			2.982 Vdc		
OUTPUT CURRENT/° C	1µA/° C			N/A		
OUTPUT CURRENT @ 25° C	298.16µA			N/A		
OPERATING TEMP. (MIN)	-55° C	-25° C	0° C	-55° C	-40° C	-40° C
OPERATING TEMP. (MAX)	125° C	100° C	70° C	150° C	125° C	100° C