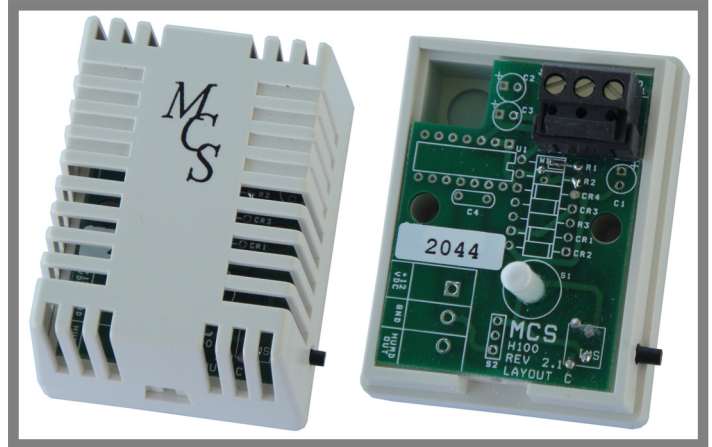


## MCS-ZONE Specifications & Description

### Physical Characteristics

Temperature Sensor .....	Same as used for the MCS-T100
Standard Temperature Range .....	+32°F to +158°F (0°C to +70°C)
Standard Temperature Accuracy .....	±0.36° F (±0.2°C)
Extended Temperature Range .....	-40°F to +248° F (-40°C to 120°C)
Extended Temperature Accuracy .....	±1.5°F (±0.8°C)
Resistance Range .....	2 Meg to 286 ohms
Input Voltage .....	5vdc
Sensor Resistance .....	100,000 ohms @ 77°F (25°C)
Operating Temperature .....	-40°F to +185°F (-40°C to 85°C)
Storage Temperature .....	-60°F to +230°F (-51°C to 110°C)
Packaging Dimensions .....	2.00"W × 2.57"L × 1.50" H



### Physical Description

An extremely reliable sensor packaged in a very durable aesthetic package. Because of the sensor accuracy there is complete interchangeability with no hardware calibration required.

The sensor outputs a linear signal and is a low power device (200µA typical @ 5vdc.) Because of its interchangeability, quality and reliability it is used in commercial, industrial, military and aerospace applications.

### Product Specifications

Temp (°F / °C)	Resist (ohms)	S1 (vdc)
-40/-40	4,015,500	0.121
-35/37.2	3,324,096	0.146
-30/34.4	2,760,524	0.175
-25/-31.6	2,299,670	0.208
-20/-28.9	1,921,640	0.247
-15/-26.1	1,610,592	0.292
-10/-23.3	1,353,866	0.344
-5/-20.6	1,141,345	0.403
0 /-17.7	964,963	0.470
5/-15.0	818,070	0.545
10/-12.2	695,433	0.629
15 /-9.4	592,755	0.722
20/-6.6	506,560	0.824
25/-3.8	434,007	0.936
30/-1.1	372,778	1.058

Temp (°F / °C)	Resist (ohms)	S1 (vdc)
32/0	351,020	1.109
35/1.6	320,976	1.188
38/3.3	293,758	1.270
40/4.4	277,040	1.326
45/7.2	239,686	1.472
50/10	207,850	1.624
55/12.7	180,647	1.782
58/14.4	166,243	1.878
60/15.5	157,353	1.943
65/18.3	137,363	2.106
70/21.1	120,169	2.271
75/23.9	105,347	2.435
80/26.7	92,541	2.597
85/29.4	81,454	2.756
90/32.2	71,838	2.910

Temp (°F / °C)	Resist (ohms)	S1 (vdc)
95/35	63,480	3.058
100/37.7	56,200	3.201
104/40	51,050	3.310
105/40.5	49,846	3.337
110/43.3	44,287	3.465
113/45	41,290	3.539
115/46.1	39,420	3.586
120/48.8	35,149	3.370
125/51.6	31,399	3.805
130/54.4	28,093	3.903
135/57.2	25,173	3.994
140/60	22,590	4.079
145/62.8	20,309	4.156
150/65.5	18,284	4.227
155/68.3	16,484	4.292

Temp (°F / °C)	Resist (ohms)	S1 (vdc)
158/70	15,500	4.329
160/71.1	14,881	4.352
165/73.8	13,456	4.407
167/75	12,930	4.428
170/76.6	12,185	4.457
175/79.4	11,052	4.502
180/82.2	10,033	4.544
183/83.8	9,474	4.567
185/85	9,121	4.582
190/87.7	8,303	4.617
195/90.5	7,567	4.648
198/92.2	7,162	4.666
200/93.3	6,906	4.677
203/95	6,541	4.693
205/96.1	6,310	4.703

Temp (°F / °C)	Resist (ohms)	S1 (vdc)
208/97.7	5,981	4.718
210/98.8	5,773	4.727
212/100	5,573	4.736
215/101.6	5,289	4.749
218/103.3	5,020	4.761
220/104.4	4,849	4.769
223/106.1	4,605	4.780
225/107.2	4,449	4.787
227/108.3	4,299	4.794
230/110	4,085	4.804
233/111.6	3,886	4.813
235/112.7	3,760	4.819
240/115.5	3,463	4.833
245/118.3	3,191	4.845
248/120	3,040	4.852

### Part # MCS-ZONE

(Pictured with Override Switch Option Included)

### Options

-OVR..... Add Override Switch