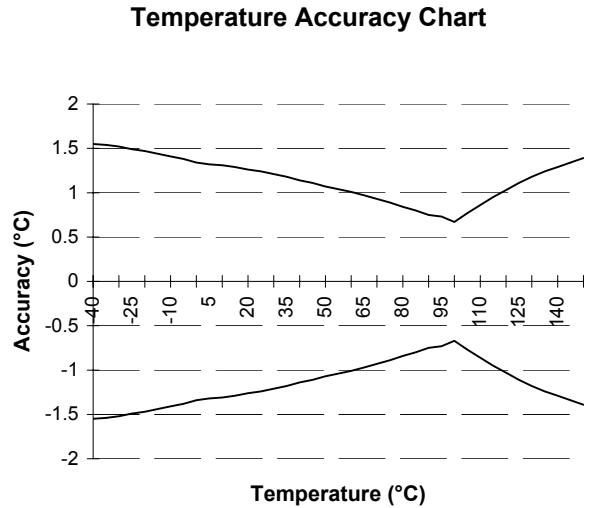
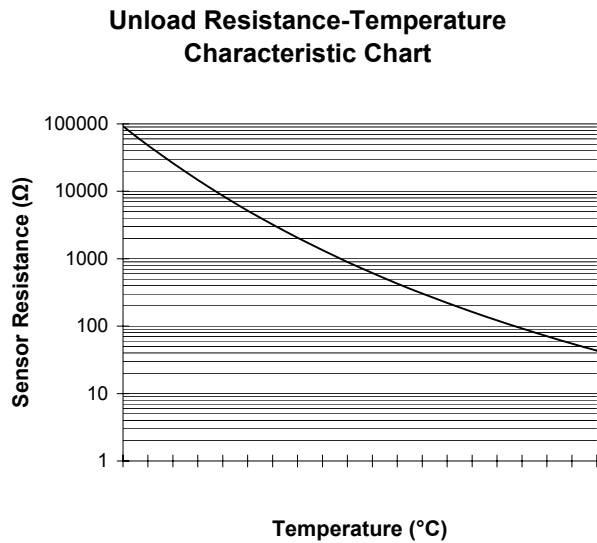


# AIR INLET TEMPERATURE (AIT) SENSOR PRODUCT DATA



Note: Temperature Sensor Calibration Resistance Guaranteed by 100 % Automated Calibration Certification.

**Unloaded Resistance-Temperature Characteristic Table**

Temp (°C)	R(Ω)*	R(±%)	Ref. Acc. (±°C)	Temp (°C)	R(Ω)*	R(±%)	Ref. Acc. (±°C)	Temp (°C)	R(Ω)*	R(±%)	Ref. Acc. (±°C)
-40	99,326	10.46	1.6	25	2,752	5.56	1.2	90	238.1	2.35	0.8
-35	71,332	10.00	1.5	30	2,205	5.28	1.2	95	203.9	2.13	0.7
-30	51,791	9.55	1.5	35	1,778	5.00	1.2	100	175.3	2.00	0.7
-25	37,994	9.11	1.5	40	1,443	4.72	1.1	105	151.3	2.24	0.8
-20	28,146	8.67	1.5	45	1,177	4.45	1.1	110	131.0	2.45	0.9
-15	21,044	8.25	1.4	50	965	4.18	1.1	115	113.9	2.63	1.0
-10	15,873	7.83	1.4	55	796	3.94	1.0	120	99.4	2.79	1.0
-5	12,073	7.42	1.4	60	660	3.71	1.0	125	87.0	2.92	1.1
0	9,256	7.02	1.3	65	551	3.47	1.0	130	76.4	3.03	1.2
5	7,153	6.72	1.3	70	462	3.24	0.9	135	67.3	3.11	1.2
10	5,572	6.43	1.3	75	389	3.01	0.9	140	59.4	3.18	1.3
15	4,373	6.14	1.3	80	329	2.79	0.8	145	52.6	3.22	1.3
20	3,457	5.85	1.3	85	279	2.57	0.8	150	46.7	3.24	1.4

Important: The values above are for the unloaded thermistor, as shipped from AEM Performance Electronics, and does not reflect the effects of application system errors and aging.

\*Note: Please contact AEM Performance Electronics for the resistance vs. temperature curve for your temperature sensor application. Due to self-heating effects of the thermistor, the resistance is dependent on the application.

Since thermistors are "continuous function devices", resistance vs. temperature data is available for numbers beyond those specified above.

For more information contact:

AEM Performance Electronics  
2205 126th Street  
Hawthorne, CA. 90250

Phone: (310) 484-2322  
Fax: (310) 484-0152  
E-mail: tech@aempower.com