

**Thermistor characteristics (Models PT18 & ms18)**

T °C	R Ohms
-55	8628
-50	7207
-45	6068
-40	5146
-35	4395
-30	3778
-25	3267
-20	2842
-15	2485
-10	2185
-5	1930
0	1712
5	1526
10	1365
15	1226
20	1105
25	1000
30	907,6
35	826,4
40	754,7
45	691,2
50	634,7
55	584,4
60	539,4
65	499,1
70	462,8
75	430,1
80	400,5
85	373,7
90	349,4
95	327,2
100	307,0
105	288,6
110	271,6
115	256,1
120	241,8
125	228,7
130	216,5
135	205,3
140	194,9

( Theoretical values )

Reference temperature : 25 °C

Thermistor value : 1000 Ω at 25 °C

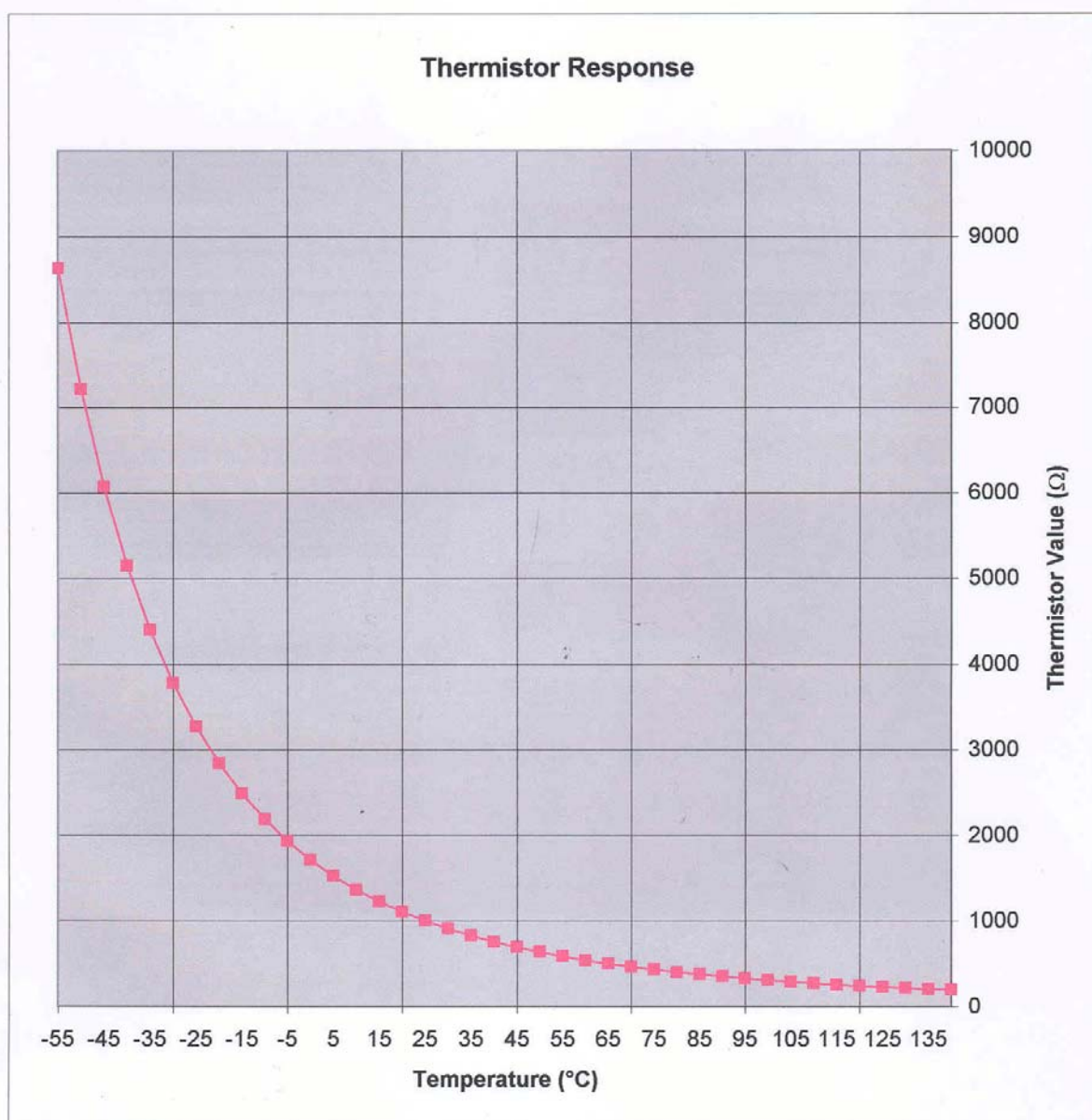
Beta Coefficient value : - 1750 ± 8 %

Beta = [ (T1 + 273) x (T2 + 273) x Log (R2/R1) ] / (T2 – T1)

Where : T1 = Reference temperature (°C), T2 = Measured temperature (°C)

R1 = Thermistor value at T1 , R2 = Thermistor value at T2

### Thermistor curve (Models PT18 & ms18)



**Note :** When adding a 750 Ω Resistor in // with the Thermistor, the response becomes quasi-linear