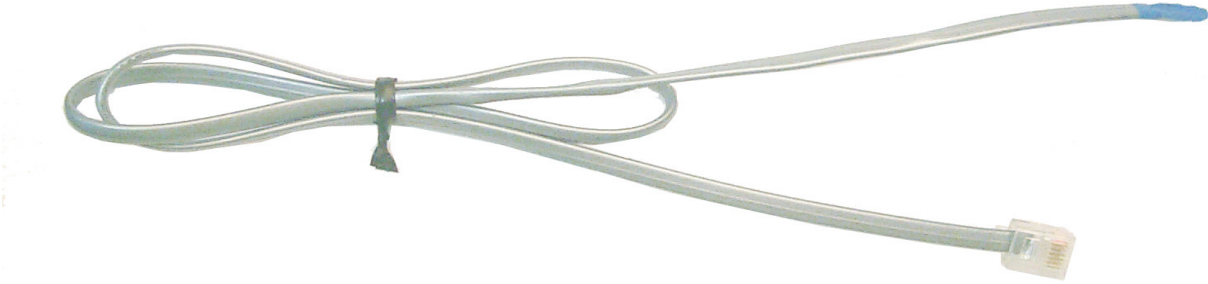


# Therm-B

# Temperature Sensor



## Applications:

- Ambient air measurement
- Microcontroller based temperature applications
- Basic STAMP temperature measuring applications

## Features:

- Good accuracy- +/- 1.2°C at 25°C, beta accurate to +/- 0.75%
- Interchangeable
- Supplied with plug (uses inexpensive and reliable RJ-11 4 position telephone style gold-plated modular jack)
- Sensor tip coated with rubber insulation.
- Low cost, from US\$5.95 in 100's for a complete interchangeable sensor with plug.

## Specifications:

- Accuracy at 25°C +/-1.2°C
- Beta 3977 +/-0.75%
- **Accurate forward and reverse equations relating T and R available upon request.**
- Temperature range -40~80°C
- Tip size 23mm (0.9") long x 7mm(0.3") diameter max.

- Jacket material: Polypropylene.
- Conductor insulation: PVC
- Wire: AWG26/28 7 strands/each
- Wiring: two center (red/green), outer leads are open
- Loop resistance 1.2 Ohms/foot
- Insulation resistance >100M Ohm
- Terminal crimping strength 2kg
- Maximum dissipation 200mW at 55°C or less, derate linearly to 50mW at 80°C.
- Insulation voltage rating 30VDC
- Plug pull force 8kg

## Ordering Info:

- Therm-B-1-3103** 1ft. lead
- Therm-B-2-3103** 2ft. lead
- Therm-B-3-3103** 3ft. lead
- Therm-B-6-3103** 6ft. lead

Note 1: Custom lengths available to 25ft.

Note 2: Different resistance and tolerance available with minimum order of 500 pieces.

Ta (°C)	R (K Ohm)
-40	332.1
-35	240.0
-30	175.2
-25	129.3
-20	96.36
-15	72.50
-10	55.05
-5	42.16
0	32.56
5	25.34
10	19.87
15	15.70
20	12.49
25	10.00
30	8.059
35	6.535
40	5.330
45	4.372
50	3.606
55	2.989
60	2.490
65	2.084
70	1.753
75	1.481
80	1.256



manufactured by Trexon Inc.  
sales@trexon.com  
<http://www.trexon.com>

Represented by: