



HV AIR TEMPERATURE SENSOR DATASHEET

HV-150AT



Rev 1.0

The HV-150AT Air Temperature Sensor uses a high temperature, fast responding NTC thermistor. The thermistor body is coated with a blue insulating lacquer.

Features

- High Temperature, high accuracy NTC thermistor
- Temperature Range: -40 DegC to 150 DegC
- High accuracy over a wide temperature range
- Exceptional thermal shock performance
- Compact Design
- 1/8 NPT Thread
- DTM sealed 3 Way Connector(mating end also supplied)
- Fully potted for a waterproof seal.

Calibration

TEMP. (°C)	RESISTANCE (Ω)
-40.0	48 085
-35.0	35 712
-30.0	26 816
-25.0	20 347
-20.0	15 592
-15.0	12 060
-10.0	9412.5
-5.0	7408.5
0.0	5878.3
5.0	4700.2
10.0	3785.7
15.0	3070.5
20.0	2507.0
25.0	2060.0
30.0	1702.9
35.0	1416.0
40.0	1183.7
45.0	994.40
50.0	839.19
55.0	711.20
60.0	605.10
65.0	516.72
70.0	442.75
75.0	380.60
80.0	328.16
85.0	283.76
90.0	246.02
95.0	213.85
100.0	186.34
105.0	162.75
110.0	142.46
115.0	124.96
120.0	109.84
125.0	96.737
130.0	85.358
135.0	75.454
140.0	66.817
145.0	59.269
150.0	52.661

Ordering Information

Product	Part Number
HV Air Temperature Sensor	HV-150AT

HV Electronics Ltd
74 Whiore Av, The Lakes
Tauranga
New Zealand

(See the www for contact information)
www.hvelectronics.co.nz