

20015622-00

Disposable Sensor with Molded Cap

Description

20015622-00 is a low cost and high accuracy sensor assembly with molded connector for patient monitoring, compatible with the 400 series nominal resistance response curve.

In a typical application, 20015622-00 is placed inside a medical catheter for mechanical protection and used to measure the body temperature of patients. Other applications include but are not limited to the use of 20015622-00 to make skin sensors and general purpose probes.

Features

- 400 series nominal resistance response curve.
- NTC thermistor with 2252 Ohm nominal resistance @25°C.
- ±0.1°C accuracy over the range of 25°C to 50°C.
- Response time from 25°C to 37°C (T= 63.2%):
 5 seconds.
- Medical grade material.
- · Proven stability and reliability.
- Low cost.

Applications

- · Continuous patient monitoring.
- Foley catheter.
- Esophageal catheter.
- · Skin sensors.
- General purpose probes.

Generic Steinhart-Hart Constants

A 1.478449471422940E-03

B 2.345273369229340E-04

C 4.460181921656660E-07

D 8.377136773151330E-08

Tel: 020-34387714

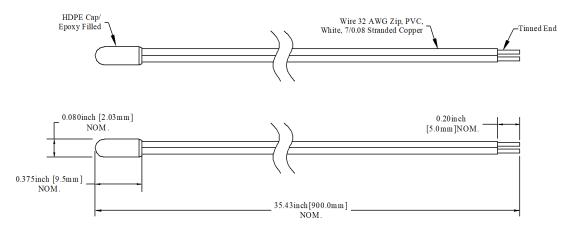
Resistance vs Temperature Table

Temperature	Resistance	Temperature	Resistance		
(°C)	(Ω)	(°C)	(Ω)		
25	2252.0	38	1300.2		
26	2155.6	39	1248.5		
27	2063.9	40	1199.1		
28	1976.5	41	1152.0		
29	1893.4	42	1106.9		
30	1814.2	43	1063.9		
31	1738.7	44	1022.7		
32	1666.8	45	983.4		
33	1598.2	46	945.8		
34	1532.9	47	909.8		
35	1470.5	48	875.4		
36	1411.1	49	842.4		
37	1354.3	50	810.9		

Specifications

Parameters	Units	Value
Resistance @25°C	Ohms	2252
Accuracy Range of Interest	°C	25 to 50
Measurement Accuracy within the Range of Interest	°C	±0.1
Nominal Beta Value 25/85	К	3976
Time Response from 25°C to 37°C in Well Stirred Liquid (T= 63.2%)	Seconds	< 5.0

Mechanical Details



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Ordering Information

Description	Part Number
THR-A#-2251-D1-HDP-0.375"-0.080"-00-Z-	20015622-00