

- -50-150°C Operating Temperature
- Temperature Sensor - .1C Resolution
- Ring Lug NTC probe
- IP65
- Media –Air, & Gas



DESCRIPTION

The PTS32 temperature sensor is designed for outdoor temperature measurement of pipe media. Coupling the sensor to the pipe ensures faster response time and a more accurate temperature measurement of the media within the pipe. The clip-on style glass encapsulated NTC allows for additional protection against water ingress. The low cost automated manufacturing process allows for a cost effective solution.



APPLICATIONS

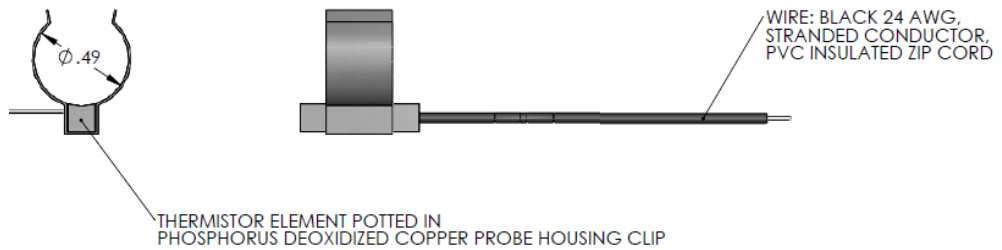
- Commercial Refrigeration
- HVAC
- Semiconductor
- Liquid /Gas Chromotagraphy
- Commercial Ovens

Maximum Environmental Ratings

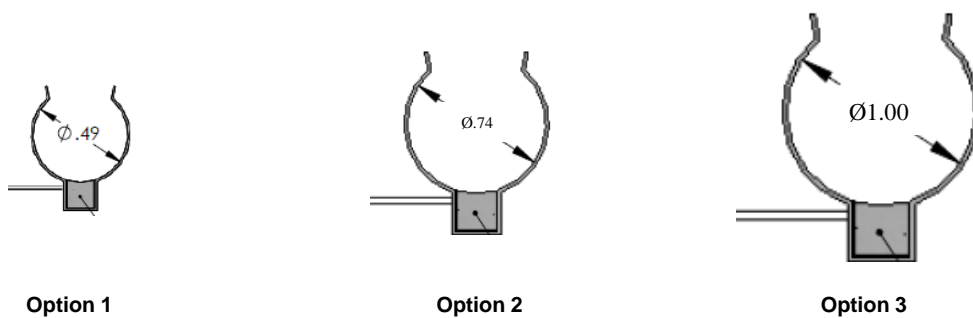
Operating Temperature -50°C to 150°C

Storage Temperature Range -55°C to 150°C

Mechanical Dimensions (inches),



Clip Options

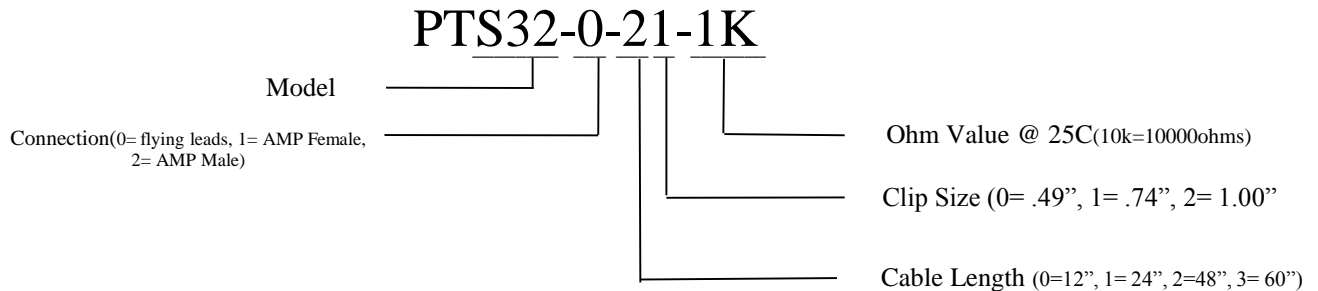


Typical Resistance vs Temperature Chart

Temperature ©	Resistance Value (Kohm)	Temperature ©	Resistance Value (Kohm)
-50	200.250	80	0.37680
-40	100.680	85	0.32130
-30	53.010	90	0.27486
-20	29.091	100	0.20361
-10	16.590	110	0.15306
0	9.795	120	0.11661
10	5.970	125	0.10227
20	3.747	130	0.08997
25	3.0000	140	0.07026
30	2.4168	150	0.05547
40	1.5975		
50	1.0803		
60	0.7461		
70	0.5250		

Beta: 25/85- 3976 , Temperature Coefficient @ 25C -4.4%/C

Part Number Configuration



Ph: (480) 269-1665 sales@PhoenixSensors.com

Notice:

Phoenix Sensors LLC reserves the right to make changes to the product contained in this publication. Phoenix Sensors LLC assumes no responsibility for the use of any circuits described herein, conveys no license under any patent or other right, and makes no representation that the circuits are free of patent infringement. While the information in this publication has been checked, no responsibility, however, is assumed for inaccuracies.

Phoenix Sensors LLC does not recommend the use of any of its products in life support applications where the failure or malfunction of the product can reasonably be expected to cause failure of a life-support system or to significantly affect its safety or effectiveness. Products are not authorized for use in such applications.