



- 0-85°C Operating Temperature
- Temperature Sensor - .1C Resolution
- Accuracy - .5C (FS)
- Overmolded NTC probe
- IP67
- Media – Liquid, Air, & Gas

### DESCRIPTION

The PTS20 temperature sensor was specifically designed for temperature applications in residential and commercial pools and spas. The overmolded glass encapsulated NTC allows for protection against water ingress that cause traditional temperature sensors to fail. The low cost semi-automated united states manufacturing process allows for a cost effective solution.

### APPLICATIONS

- Pools
- HVAC
- SPAS

## Maximum Environmental Ratings

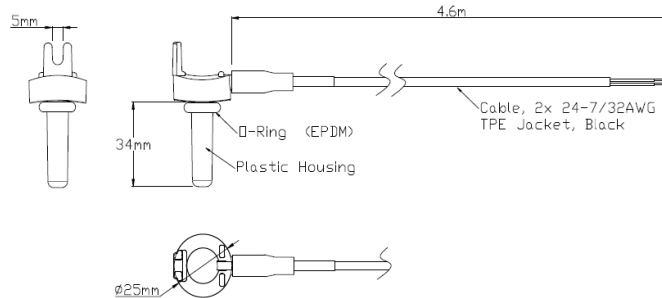
Operating Temperature ..... -0°C to 85°C

Storage Temperature Range ..... -25°C to 100°C

## Resistance vs Temperature Chart

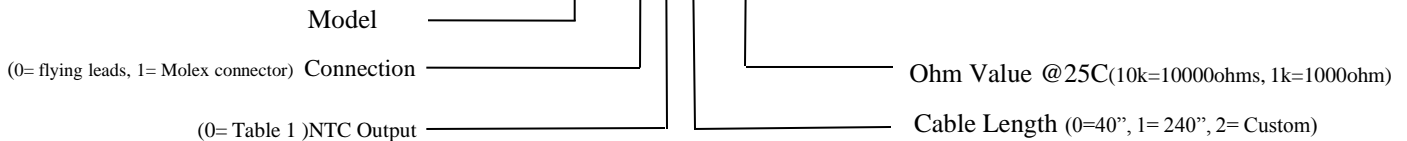
| Ohm (K) | Temp (C) | Ohm (K) | Temp (C) | Ohm (K) | Temp (C) | Ohm (K) | Temp (C) |
|---------|----------|---------|----------|---------|----------|---------|----------|
| 52.38   | -9       | 18.97   | 11       | 7.72    | 31       | 3.47    | 51       |
| 49.63   | -8       | 18.09   | 12       | 7.4     | 32       | 3.34    | 52       |
| 47.05   | -7       | 17.26   | 13       | 7.1     | 33       | 3.21    | 53       |
| 44.61   | -6       | 16.46   | 14       | 6.81    | 34       | 3.1     | 54       |
| 42.31   | -5       | 15.71   | 15       | 6.53    | 35       | 2.99    | 55       |
| 40.15   | -4       | 15      | 16       | 6.27    | 36       | 2.88    | 56       |
| 38.11   | -3       | 14.32   | 17       | 6.01    | 37       | 2.77    | 57       |
| 36.18   | -2       | 13.68   | 18       | 5.77    | 38       | 2.67    | 58       |
| 34.37   | -1       | 13.07   | 19       | 5.54    | 39       | 2.58    | 59       |
| 32.65   | 0        | 12.49   | 20       | 5.32    | 40       | 2.49    | 60       |
| 31.03   | 1        | 11.94   | 21       | 5.11    | 41       | 2.4     | 61       |
| 29.5    | 2        | 11.42   | 22       | 4.92    | 42       | 2.31    | 62       |
| 28.05   | 3        | 10.92   | 23       | 4.72    | 43       | 2.23    | 63       |
| 26.69   | 4        | 10.45   | 24       | 4.54    | 44       | 2.16    | 64       |
| 25.39   | 5        | 10      | 25       | 4.37    | 45       | 2.08    | 65       |
| 24.17   | 6        | 9.57    | 26       | 4.2     | 46       | 2.11    | 66       |
| 23.01   | 7        | 9.16    | 27       | 4.04    | 47       | 1.94    | 67       |
| 21.92   | 8        | 8.78    | 28       | 3.89    | 48       | 1.88    | 68       |
| 20.88   | 9        | 8.41    | 29       | 3.74    | 49       | 1.81    | 69       |
| 19.9    | 10       | 8.05    | 30       | 3.6     | 50       | 1.75    | 70       |

## Mechanical Dimensions (mm),



## Part Number Configuration

# PTS2000-10K



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