

# P3-DS305-RJ

## PT100 Surface Temperature Sensor -20°C to +90°C



Supplied with 1.5m 3 core flat PVC ribbon cable

For use with the D3 family of wireless base stations

Compatible with a full range of P2-WS2XX Intelligent Wireless Transmitters (supplied separately)

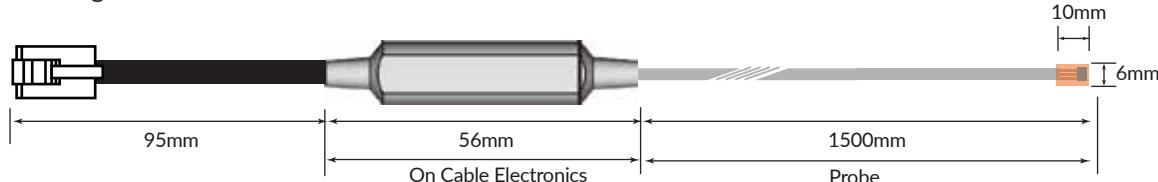
Polymide insulated surface mount temperature sensor designed to provide a practical method for measuring surface temperatures in the range of -20°C to +90°C. The thin design of the sensing element minimises the effects of having the sensor attached to the surface being measured resulting in a fast thermal response.

The sensor is terminated to 3 wire flexible flat ribbon cable providing easy mount through door seals.

Common uses: Chilled & Hot Surfaces | Hot Plates | Incubators

This product can be supplied with a calibration certificate.

Product Drawing:



Technical Specifications:

Temperature Range: \_\_\_\_\_ -20°C to 90°C  
Accuracy: \_\_\_\_\_ -20 to 40°C | 40°C to 90°C  
Standard - ±0.5°C | ±0.8°C  
Calibrated - ±0.2°C | ±0.3°C  
Thermistor: \_\_\_\_\_ PT100 Class B  
Weight: \_\_\_\_\_ 19g  
Sensor Cable: \_\_\_\_\_ 1500mm 3 core PVC ribbon cable  
Cable Operating Temperature: \_\_\_\_\_ -20°C to 90°C  
Probe Sheathing: \_\_\_\_\_ Polymide Film

**On Cable Electronics**  
Connector: \_\_\_\_\_ RJ11  
Operating Temperature: \_\_\_\_\_ -20°C to 55°C  
Electronics Sheathing: \_\_\_\_\_ Technomelt OM678  
Electronics IP Rating: \_\_\_\_\_ IP65  
Probe IP Rating: \_\_\_\_\_ IP54



Doc: 106-10175-01 (Datasheet - P3-DS305-RJ)

Visit: [www.tek-troniks.com](http://www.tek-troniks.com) Call: 0115 9890090

#### Product Disclaimer:

The recommendations and suggestions regarding product application and use that are offered on Tek-troniks.com, in our product brochures, datasheets, or information provided by any employee or distributor, are a guide in the use of this product and are not a guarantee to their performance. Tektroniks reserve the right to alter specification of their products without prior warning or notification. Always read instruction manuals fully before installing any Tektroniks component.