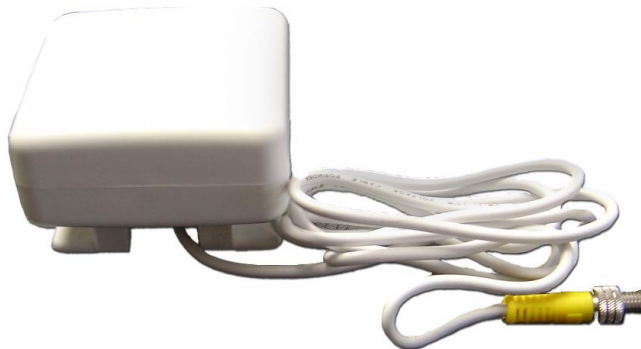


## Product Probe

RDM Product Probe is a standard thermistor probe which has been thermally insulated with material that affects the time/temperature response. When used in a refrigeration display cabinet, the Product Probe will react in a similar manner to produce in that cabinet, thus giving a more realistic representation of the actual produce temperature.

3 types are available: -

- **PR0206** PT1000
- **PR0222** NTC2K
- **PR0204** NTC2K25



The Product Probe has a magnetic base for display case shelf mounting.

Both products are supplied with a 1.5m lead and a 3 way connector.

### Specifications:

Operating Temperature range: -42°C to +60°C  
Relative Humidity: 10% to 95% rH non-condensing  
Weight: 0.3kg  
Size: 50mm H x 75mm W x 75mm L

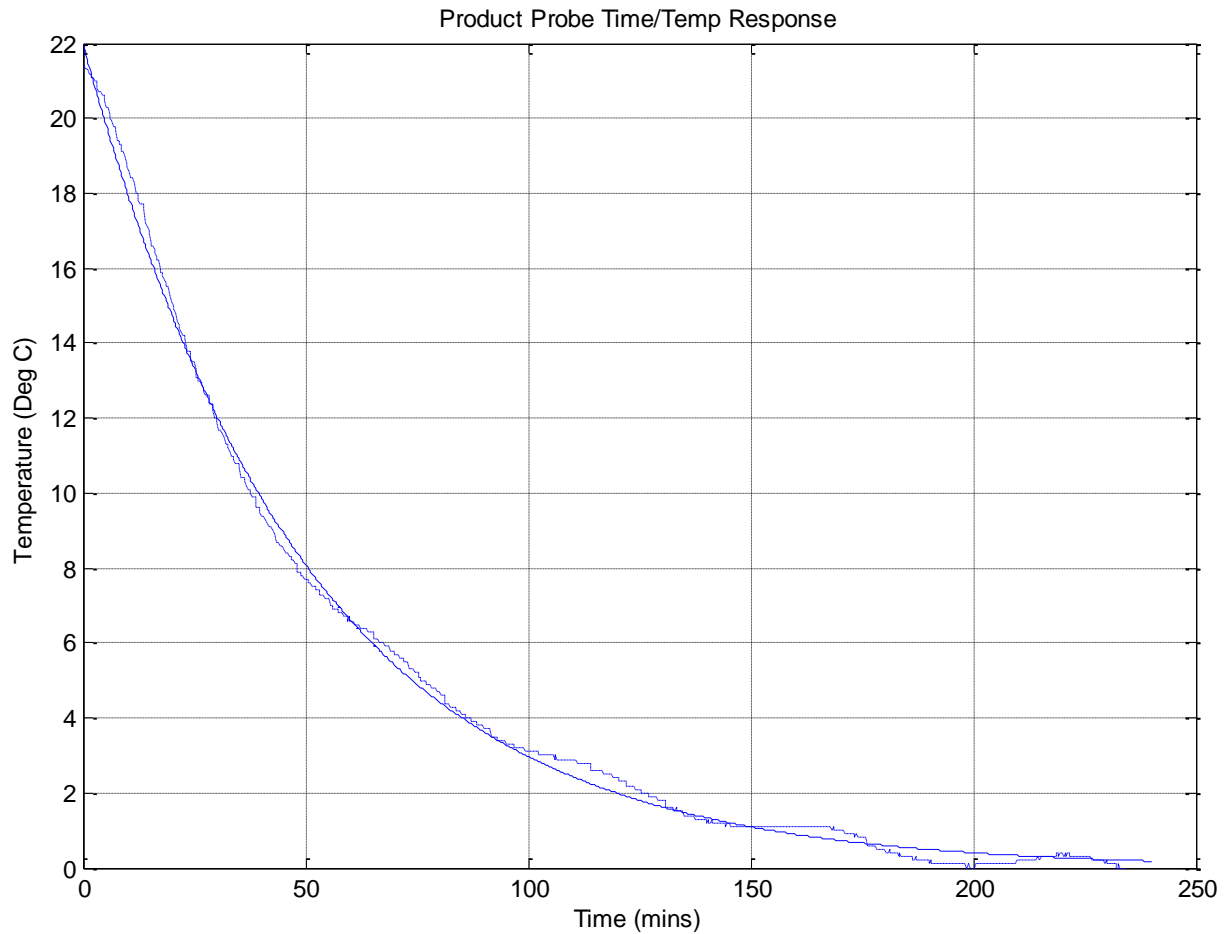
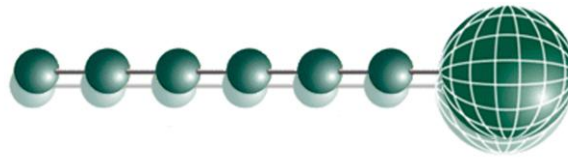
### Resistance values

PR0206 Same as a PT1000 probe

PR0222 Same as a NTC2K

A 5m lead with mating bulkhead connector for the above products is also available: **PR0220**





The above graph shows the Time/Temperature response, Results from the test probe have been superimposed onto the theoretical curve.

The temperature change follows the following equations : -

$$\text{Rising Deg C} = 1 - e^{-\frac{T}{3000}}$$

$$\text{Falling Deg C} = e^{-\frac{T}{3000}}$$

Where T =time