

# Simulated Product Probe

## TEMPERATURE DETECTION

### SPECIFICATION DATA

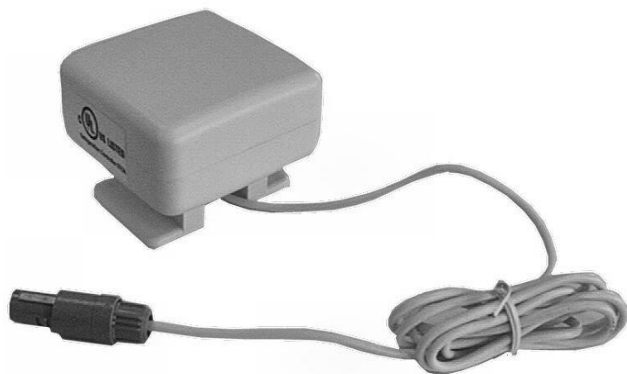
### FEATURES

- Accurate product temperature measuring
- Easy clean, white plastic unit
- Free standing, or vertically mounted using integral magnetic bracket supplied
- 1.4m lead available with a variety of terminations

### SPECIFICATIONS

**Operating Temperature:** -50 to +90 °C (-58°F to 194°F)  
**Relative Humidity:** 10 to 95% non-condensing  
**Dimensions:** 75mm. x 75mm. x 50mm.  
**Weight:** 0.28kg.

**Temperature / Resistance Characteristics from: -50° to 90°C (-58°F to 194°F)**



### GENERAL

The RCS NTC 2K Slugged Probe is a thermally insulated plastic unit, placed in a refrigerated cabinet (or coldroom), to measure product temperature. The 2K Product Probe is designed to imitate precisely, the temperature of the chilled food displayed within the cabinet.

Unlike simple temperature probes, the 2K Product Probe has the thermal characteristics similar to the food that it imitates. This ensures that the temperatures measured are truly representative of the surrounding 'core' food temperatures.

The 2K Product Probe is designed to allow positioning of the unit in almost any location in a refrigerated cabinet. It is supplied with an integral magnetic based bracket, allowing it to be placed vertically inside a cabinet without any fixings.

When placed inside a chilled cabinet or refrigerated area, the 2K Product Probe connects directly into a case or coldrooms network monitor. This allows the RCS 4 Channel Monitor to read the temperatures of the chilled food and transmit across the network.

Temp °C	2 kΩ	Temp °C	2 kΩ
-50	55.66 kΩ	20	2.387 kΩ
-45	42.17 kΩ	25	2.000 kΩ
-40	32.34 kΩ	30	1.684 kΩ
-35	24.96 kΩ	35	1.424 kΩ
-30	19.48 kΩ	40	1.211 kΩ
-25	15.29 kΩ	45	1.033 kΩ
-20	12.11 kΩ	50	885.4 Ω
-15	9.655 kΩ	55	762.0 Ω
-10	7.763kΩ	60	658.7 Ω
-5	6.277 kΩ	65	571.3 Ω
0	5.114 kΩ	70	497.5 Ω
5	4.188 kΩ	75	434.3 Ω
10	3.454kΩ	80	380.7 Ω
15	2.826 kΩ	85	334.6 Ω
		90	294.9 Ω

### ORDERING INFORMATION

**PP1002** - Product Probe 2K 1.5M M8 3 Pin Molex Plug  
**PP1201** - Product Probe 2K 10M Free Ends  
**PP1301** - Product Probe 2K 15M Free Ends