

# Wireless Temperature Sensor K101B



The K101B Bloodbank Sensor is designed to monitor Bloodbank Storage Units in the specific temperature range 0°C to 8°C (operating range 0°C to 20°C). The Sensors can be portable or directly mountable within the desired location.

Applications include:

- ✓ Fridges
- ✓ Cold Rooms
- ✓ Delivery vehicles
- ✓ Blood Banks

Battery life exceeds 5 years.

The unit has both air and product sensors.

- ✓ Simulated Product temperature is measured using a stainless temperature probe inserted into a laboratory bottle containing 200ml of water.

The Sensors communicate with the Network Controller wirelessly and directly or via Repeaters, even when buried deep inside storage cabinets.



Temperature



Radio Transmission

## Specification

<b>Product Code:</b>	K101B	<b>Reprogrammability:</b>	Fully Reprogrammable over RF
<b>Channels:</b>	1. Air Temperature 2. Product Temperature (200ml water)	<b>Battery:</b>	LithiumTiCl 3.6V 2Ahr. AA Size.
<b>Measurement Ranges:</b>	0°C → +20°C ( 32°F → +68°F )	<b>Battery Lifetime:</b>	5 years with a 10 minute data transmission interval.
<b>Typical Accuracy:</b>	+/- 0.2°C (1°F)	<b>Size:</b>	Width 65mm (2.9/16") Height 50mm (2") Depth 36mm (1 3/8")
<b>Radio Frequency Band:</b>	916MHz (USA) ; 868MHz (Europe).	<b>Enclosure:</b>	IP66 Polycarbonate
<b>Line of sight Radio Range:</b>	100m	<b>Weight:</b>	75g. (2.65oz.)