

# KoolZone Blue Sensor



## Temperature & Humidity Sensor

The KoolZone Blue Sensor is a long-range, battery-powered, integrated sensor platform leveraging the benefits of LoRaWAN and Bluetooth Low Energy (BLE) connectivity.

Its small, rugged form contains superior RF performance and flexibility with precise temperature and humidity sensors, and room for future expansions.

The device monitors temperature and humidity with an enclosure robust enough to serve many installation needs.

## Calibration

Different levels of calibration are available, the manufacturers' calibration certification, UKAS calibration, and reference calibration at specific temperature points carried out by KoolZone.

## Applications

Cold chain management and food safety, agricultural humidity and environmental monitoring, industrial heating and cooling.



**Temperature Accuracy 0.9°C**



**Humidity Accuracy 4.5%**



**3-7 Years Battery Life**



**Wireless Connection**



**Out-of-the-Box**

## Technical Specification

Temperature Accuracy Ranges	-10° to +85°C (+/-0.4°C), -40° to +125°C (+/-0.9°C)
Humidity Accuracy Ranges	0 – 90% RH (+/- 3%), 90 – 100% RH (+/- 4.5%)
Antenna Integrated	Custom Laird antenna for 868 or 915MHz ceramic chip antenna for 2.4GHz
Battery	2 x AA - replaceable
Dimensions	116 x 91 x 34 mm
Operating Temperature	-25° to +50°C
Environmental	IP65
Storage Temperature	-40° to +50°C
Approvals	FCC, IC, CE, Bluetooth SIG
Memory	256k of flash memory available

## Note

Monitored data and alarms are visible through KoolZone’s sophisticated monitoring platform running on iOS or Android phone, iPad, tablet or laptop. Alert notifications can be sent by text, email, or phone.

This sensor probe is not suitable for direct long-term immersion in liquids or corrosive environments. An alternative KoolZone sensor probe is available for liquid immersion, including dishwashers.

### Vendor Details:

**UK OFFICE**  
**KoolZone Limited**  
 The Hub, 14 Station Road,  
 Henley-on-Thames, Oxfordshire, RG9 1AY, UK

**GERMAN OFFICE**  
**Kool Zone Tracking Systems GmbH**  
 Rotkamp 37,  
 13053 Berlin, Germany