

Plus 300 Temperature Sensor



Temperature Monitor



Accuracy $\pm 2^{\circ}\text{C}$



3-7 Years Battery Life



Wireless Connection



Out-of-the-Box

High Temperature Sensor

The KoolZone Plus300 sensor is a LoRaWAN sensor suitable for high temperature operation at +300°C.

Based on a platinum resistance probe which provides greater accuracy and long term stability than other technologies, the sensor is offered with a range of calibration options to suit different applications.

Typical applications are curing ovens or other systems that need to operate at temperatures above 100°C and below 350°C.

Accuracy

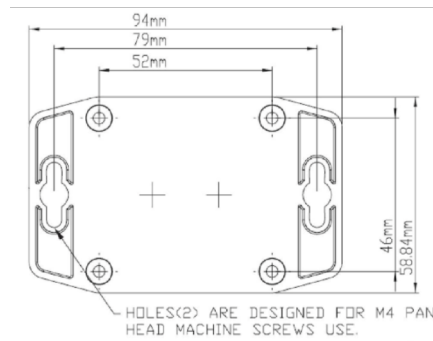
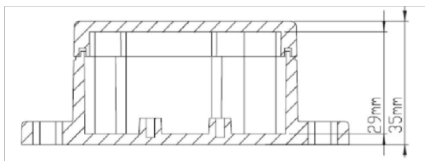
The sensor employs the latest in platinum resistance probes manufactured and compliant to BS EN 60751 so that the indicated temperature is accurate to within $\pm 2^{\circ}\text{C}$.

Calibration

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

Technical Specification

Operating Temperature	Sensor electronics between -30°C to +50°C
Measurement Range	Sensor probe: 0°C to +350°C
Accuracy	± 5°C between 100°C and +350°C
Measurement Resolution	1°C at 100°C
IP Rating	IP65
Probe Dimensions	65mm x 6mm diameter stainless steel tube
Cable Length	1m Cable (other lengths available)
Probe Reaction Time	2mins 45 seconds (63% of delta)
Battery Type	Lithium thionyl chloride
Battery Life	Three years with ten minute sampling interval
Radio Signal	LoRaWAN 1.0.2, certified for use in UK, Europe, USA and other countries (please enquire)
Wireless Distance	Free space range up to 20Km



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.

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