![meshify]

Product Data Sheet

Smart Temperature Sensor

Cellular LoRaWAN® Solution

Help protect your property and equipment with smart temperature monitoring

The Smart Temperature Sensor, part of the Meshify Defender™ sensor solution suite, detects abnormal temperature changes and humidity conditions that can cause property, equipment or system damage, spoilage and more.

The Smart Temperature Sensor communicates with the Gateway using LoRaWAN™ protocol providing you wireless connectivity over long distances without the need for Wi-Fi.

Key Features:

• Wireless, battery-powered LoRaWAN® temperature sensor

• Monitors for temperature and humidity levels

• IP45 (Ingress Protection) rated for protection against dust and low-pressure water jets

• Easy activation and alert monitoring via the Meshify Protect app

• Optional temperature probe, leak probe, and leak rope attachments

meshify defender™

Meshify's next generation LoRaWAN® sensor that supports a variety of property and equipment monitoring applications with long range and extended battery life.

meshify protect™

Proprietary mobile app for activating Meshify sensors and monitoring locations, even when no one is there. Available for iOS and Android.

For more information, contact:
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Technical and Functional System Specifications

Mechanical	Dimensions	3.41" x 1.3" (8.67 cm x 3.3 cm)
	Sensor Weight	Without Batteries: 3.28 oz (93 g) With Batteries: 4.34 oz (123 g)
	Mounting Bracket Weight	0.42 oz (12 g)
	Operating Temperature	-40°F to +176°F(-40°C to +80°C)
	Operating Humidity Range	<80% Constant Humidity
	Case Material	White PC-ABS
	IP Rating	IP45
Physical Interface/Connections	Device Interface/Connector(s)	3.5mm Female Jack for Optional Sensor Attachments
Power Requirements	Internal Battery	2 x Lithium Ion AA 1.5v Batteries (Replaceable)
Sensors	Temperature Accuracy	-4°F to 176°F, ± 1.8°F (20°C to +80°C, ± 0.2°C)
	Humidity	0, +90; Absolute accuracy ± 2% RH
	Accelerometer	3-Axis, Motion, Vibration, Shock
	Optional Attachments (via Female Jack)	Temperature Probe Leak Rope Leak Probe
LoRa Connectivity and Certifications	RF Frequency:	915MHz
	Wireless Range:	Indoors: Max 350 ft (106.7 m) Outdoors: Max 1000 ft (304.8 m)
	Regulatory	FCC, IC, LoRa Alliance®

Sensor Solutions by HSB™
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