Temperature Sensor

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Sensor Description

Kic is our temperature monitoring sensor that fits in the palm of your hand.

Combined with the Farmdeck app, Kic is the optimal compliance tool to facilitate audits in the food service and food retail industries. With its hanging slots and magnets for countless hanging options, Kic is ideal for fridges, cold rooms, food warmers, racks, and other small areas.
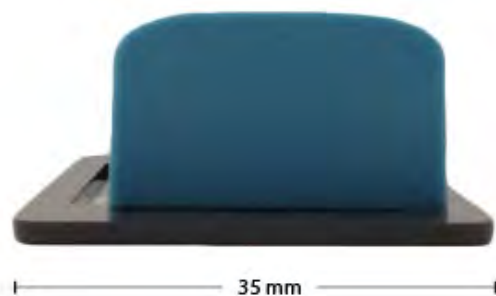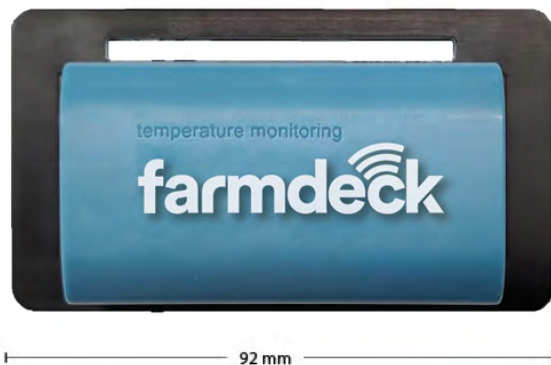

Features

- Measures the temperature of its surrounding environment
- Uses LoRaWAN technology for increased range through heavy walls
- Hanging slots and built-in magnets cater for various mounting options
- Case is made out of Food-safe material and is water resistant
- Easy installation

Applications

- Temperature monitoring (cold)
- Temperature monitoring (hot)

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Mechanical Features

Housing	Enclosed snap on lid with built-in magnets
Dimensions (mm)	35 x 92 x 22 mm
Weight	approx. 30 grams, 50grams (with battery)
Case Material	SLA resin with food-safe polyurethane coating

Device Power Supply

Battery	3.6V Primary Lithium Thionyl Chloride (Li-SOCl2) Operating temperature range -55ºC to +85 ºC
Expected battery life	Up to 7 years, depending on configuration and environment

Operating Conditions

Temperature	-40ºC to +125 ºC

Radio/Wireless Connection

Wireless technology	LoRaWAN 1.0.3/1.1
Supported LoRaWAN device type	Class A End-device
Supported LoRaWAN Regions	US902 - 928, AS923, AU915 – 928, KR920-923 EU863-870Mhz (South Africa)
Configuration	OTAA, ABP, ADR

Data Type

Temperature	-40ºC to +85 ºC

Third party integration

Cisco	Cisco IXM, Cisco IR, Cisco IOTOD