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TECHNOLOGY GROUP

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SMART SENSE
BY DIGI

SmartSense Z Sensor

Expandable Wireless Sensor

Efficiently monitor temperature in real-time. Our dashboard centralizes corrective action management and reporting for regulatory compliance and quality control. Sensors deploy in minutes and fully automate temperature monitoring of fridges, freezers, and equipment.



Wireless, removable, and magnetic display

Features

- Quickly add real-time monitoring to your fridges, freezers, and walk-ins.
- Sensors automatically connect to gateways for a self-provisioning installation process.
- Includes internal temperature sensor & two ports for NIST Calibrated probes and easy recalibration (temperature, extended range, humidity, and glycol product simulator).

NIST Calibrated Probes Available



NIST

Specifications

Product SKU	TM-ZP300-DS
Wireless	2.4 Ghz
Dimensions	1.1”, 3.3”, 6.62” (28mm x 83.8mm x 168mm)
Sensor Accuracy	±0.5°C (±0.9°F) 0.1° Resolution
Built-in Sensor Range	-20°C to 60°C (-4°F to 140°F)
External Extended Range Probe	-200°C to 200°C (-328°F to 392°F)
Expansion Ports	2 ports for external sensors, e.g. NIST temperature, humidity, glycol buffer
Environmental	IP67
Communication Range	Up to 1,000 feet*
Communication Interval	15 minutes
Display	Wireless high-contrast display with audible/visual alarm
Sensors per Gateway	Up to 32 wireless sensors connect to each SmartSense BZ Gateway
Battery Life	Up to 5 years** (2 replaceable AA batteries)
Security	128 bit AES encryption | Certificate based authentication
Warranty	1 Year

* Actual communication range will depend on RF environment
** Actual battery life will depend on communication interval and environmental conditions including operating temperature

For more information about SmartSense Z Sensors
visit **www.smartsense.co** or call **+1 (866) 806-2653**

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91004329
Effective Date: 12/12/23

SMART SENSE
BY DIGI

SmartSense Z Screen

Digital Display Screen

The SmartSense Z Screen is a wireless high contrast external display that pairs with a SmartSense Z Sensor. Conveniently mount outside the fridge or freezer asset location using incorporated magnets. Provides local audible and/or visual alarm options. Pair with a simple button press.



Features

- Displays the last Z Sensor readings from both internal and external sensor ports every 5 minutes.
- Displays Z Screen and Z Sensor battery life and signal strength.
- Toggles between Celsius and Fahrenheit displays.
- Options for audible or visual status:
  SKU: DS-SCREEN - Beeps when in alarm.
  SKU: DS-SCREEN-LED - Flashes when in alarm.

Sensor Reading Display Options

The Z Screen can display readings from any of the Z Sensor's internal or external ports in various configurations

No external sensor probes
Displays internal sensor reading only (Port 0 - internal port)

External sensor probe on Port 1
Displays sensor reading from port 1

External sensor probe on Port 2
Displays sensor reading from Port 2 and Port 0 (internal port)

External sensor probe on Port 1 and Port 2
Display sensor readings from all three ports

Specifications

Product SKU	DS-SCREEN, DS-SCREEN-LED
Wireless	2.4 GHz (receive only)
Wireless Range	Up to 150' line of sight from the Z Sensor*
Operating Temperature Range	0°C to 50°C (32°F to 122°F - Ambient)
Dimensions	0.5", 2", 4.5" (12.7mm x 50.8mm x 114mm)
Mounting	3 x magnets
Screens Per Sensor	Unlimited
Battery Life	Up to 5 years** (4 replaceable Lithium Ion AAA batteries)
Security	128 bit AES encryption I Certificate-based authentication
Warranty	1 year

* Actual communication range will depend on RF environment
** Actual battery life will depend on communication interval and environmental conditions including operating temperature

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Effective Date: 08/21/23

SMARTSENSE
BY DIGI

SmartSense Probes With NIST Calibration

The SmartSense Z Sensor supports a variety of probes, with NIST calibration, to enable your business to monitor a wide range of environments.



Sealed Temperature Probe

2 Year NIST Calibration
PN: NIST-TMP5PINDIN
PN: NIST-TMP5PINDIN-PREM
Range: -40°C to 60°C (-40°F to 140°F)
Accuracy: ±0.5°C (0.9°F)*
Length: 1.125 in / 28.5 mm



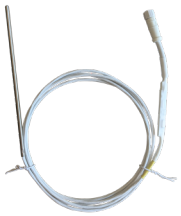
Sealed Temperature & Humidity Probe

2 Year NIST Calibration
PN: NIST-TMPH5PINDIN
PN: NIST-TMPH5PINDIN-PREM
Range: -40°C to 60°C (-40°F to 140°F); 0-100% RH
Accuracy: ±0.5°C (0.9°F)*; ±3% RH**
Length: 1.125 in / 28.5 mm



6′ Temperature Probe

2 Year NIST Calibration
PN: NIST-TMP5PINDIN6-PREM
Range: -40°C to 80°C (-40°F to 176°F)*
Accuracy: ±0.5°C (0.9°F)*
Cable Length: 6 ft / 1.82 m
Cable Diameter: 0.2 in / 5 mm



6′ Extended Range Probe

2 Year NIST Calibration
PN: NIST-TMPEX5PINDIN6-PREM
Range: -200°C to 200°C (-328°F to 392°F)***
Accuracy: ±1.3°C (<-40°C)
Accuracy: ±0.5°C (-40°C to 40°C)
Accuracy: ±1.3°C (>40°C)
Cable Length: 6 ft / 1.82 m
Cable Diameter: 0.12 in / 3 mm



Glycol Simulator Probe

2 Year NIST Calibration
PN: NIST-TMP5PINDIN-BUFF12
Range: -40°C to 80°C (-40°F to 176°F)***
Accuracy: ±0.5°C (0.9°F)*
Tip Length: 3.0 in / 76 mm
Vial Length: 4.06 in / 103.12 mm
Cable Length: 1 ft / 304.8 mm
Cable Diameter: 0.2 in / 5mm

* Accurate from -10°C (14°F) to 85°C (185°F)
** Accurate from 11% RH to 89% RH
*** Range is achieved using external, wired probe



NIST recalibration is provided by replacing the expired probe.

For more information about SmartSense
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Artisan Technology Group is an independent supplier of quality pre-owned equipment

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Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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We're here to make your life easier. How can we help you today?

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