# AGINOVA

# **Remote Monitoring** Solution

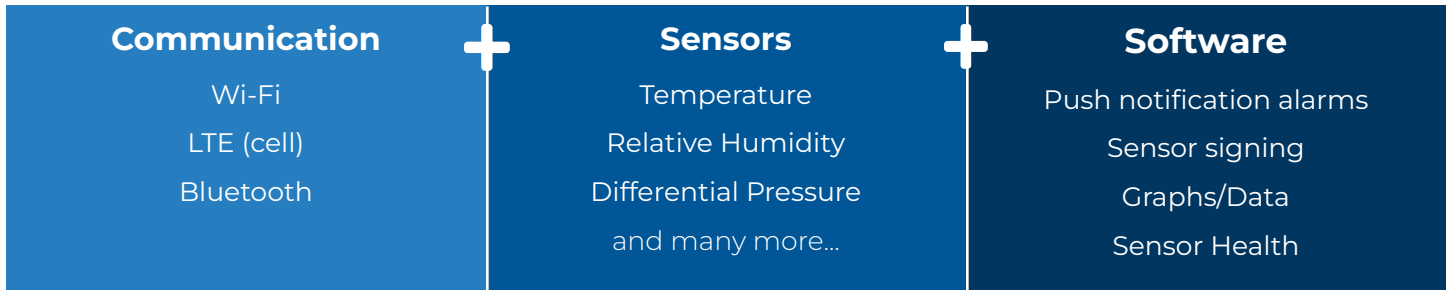| **Communication** | + | **Sensors** | + | **Software** |
|---|---|---|---|---|
| Wi-Fi | | Temperature | | Push notification alarms |
| LTE (cell) | | Relative Humidity | | Sensor signing |
| Bluetooth | | Differential Pressure | | Graphs/Data |
| | | and many more... | | Sensor Health |

Aginova **Remote Monitoring Solution** is designed for the scientific, business and technology needs of the Pharmaceutical, Blood Bank, Biotech, Hospitals, Pharmacy and Life Sciences industries.
The solution is **21 CFR Part 11 compliant**.

### Remote Monitoring with **WiFi**
Sentinel Next 1S



Uses your existing WiFi network to monitor across all your facilities. Automates monitoring of temperature, humidity, differential pressure, CO2 and more to meet compliance standards with 24/7 real-time continuous monitoring. Alerting system uses emails, text messages and APPs for notifications. The system meets 21 CFR 11 requirements, are ideal for monitoring of refrigerators, freezers and ultra low freezers

### Remote Monitoring with **LTE**
Sentinel Next 1S LTE (cell)



Uses the cell phone network to monitor across all your facilities thereby eliminating IT security concerns, network performance issues and support commitment from IT. Automates monitoring of temperature, humidity, differential pressure, CO2 and more to meet compliance standards with 24/7 real-time continuous monitoring. Alerting system uses emails, text messages and APPs for notifications. The system meets 21 CFR 11 requirements, are ideal for monitoring of refrigerators, freezers and ultra low freezers.

### Datalogging with **Bluetooth**
Sentinel Trace, IPM and Inspector



Datalogging thermometer that meets 21 CFR 11 requirements, are ideal for monitoring temperatures in refrigerators, freezers, water baths, heating blocks, and incubators.

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## ➕ Communication

### 1. Network

The sensor communicates using WiFi Protocols (IEEE 802.11b/g/n) OR the LTE cell phone network. A key feature of our WiFi communication is that it supports a myriad of encryption including WEP, WPA/WPA2, PEAP, EAPTLS.

Therefore, our sensors can easily operate in any corporate or enterprise network. On board data storage with the store-and -forward feature prevents any data loss in case of network problems. Use of WiFi or LTE network eliminates the need for any gateway device. The sensors can communicate directly to the Cloud.
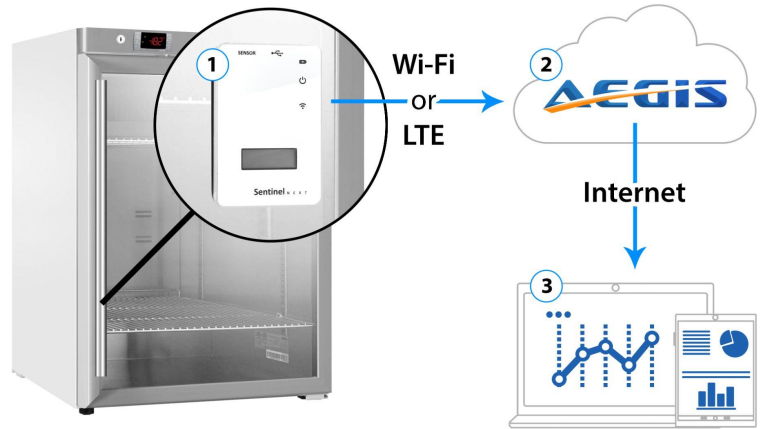
TABLE 1: The comparator below will help you choose which wireless network meets your technical and business needs

|  | WiFi | LTE (Cell Phone) |
|---|---|---|
| **Customer IT Support** | Required | Not Needed |
| **Connectivity** | Depends on WiFi Network | Depends on Cell Signal |
| **Security** | Corporate Policy | Same across the Country |
| **Power failure on-site** | Sensor will be offline | Sensor will be still online |
| **Cost** | No Cost | Small Monthly Cost |

### 2. Cloud

The IoT cloud platform is unique because it has an ingestion engine that supports virtually unlimited number of sensors across a distributed network over many locations. An additional benefit of this platform is the possibility for users to develop prediction models for a particular use case using the AI and machine learning modules.

### 3. Dashboard

From the cloud the sensor data is moved to a dashboard for data visualization, alerting and reporting. Alerting engine includes emails,text messages and phone call with escalations. Custom reporting features, for any particular domain, can be created on the dashboard. Another unique feature of the dashboard is to track annual sensor certifications and validation procedures. In addition the ability to visualize assets and its maintenance procedures is very useful. Custom workflows can be implemented.

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## ➕ Sensors

**The sensors are modular in design** with a digital interface for different types of sensor probes such as T, RH, $CO_2$, Differential pressure and more.

The sensor platform is modular which makes easy addition of sensors, including any off-the-shelf sensor with customization. Several diagnostic tools have been developed to measure the sensor health remotely allowing the solution to be implemented on a large scale.

**Temperature**
Sensors
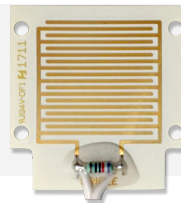
**Relative humidity**
Sensors
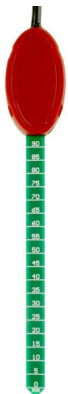
**Differential Pressure**
Sensors

**Oxygen**
Sensors

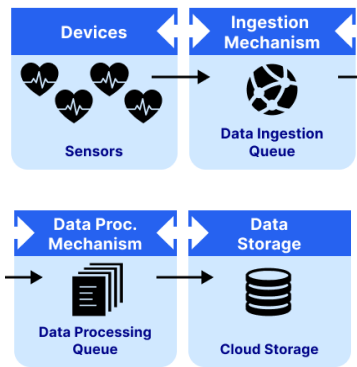**CO2**
Sensors

**Leak**
Sensors

**Moisture**
Sensors

**and more**
+custom solutions

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## ➕ **Software**

The software **complies with 21 CFR Part 11**.
It meets GMP standards and is used by Hospitals, Clinics, Pharma and Research Institutions.

| **Cloud Services** ➕ | **Dashboard** ➕ | **APPs** |
|---|---|---|
| MQTT communication | Visualize sensor | iOS and Android |
| IoT Ingestion Engine | Group/Location/Asset | Sensor Configuration Wizard |
| Data Storage | Alarming and Alerting | Quickview Sensor Status |
| No limits to number of sensors | Individual & Aggregate Report | Alarm Notifications |







Sensors communicate to the cloud using MQTT via either using WiFi or LTE cell network. No data is lost. All sensor communications can be seen in the cloud for updating firmware, debugging and diagnostics purposes. The system can be scaled to 100,000+ sensors instantly by allocating more resources on the server. The diagram shows the data flow from the sensor to the cloud.
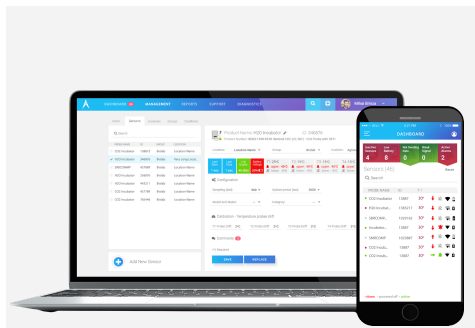
The dashboard sits on top of the Data storage system. It is designed to help the user set sensor parameters, visualize data through graphs and tables, aggregate reports for managers and manage alarms.

**Features include:**
· User management
· Sensor management
· Alarm management
· Graphs / Data (exporting)
· Sensor Diagnostics
· Admin reports
· Sensor Health
· Sensor Signing
· Manage NIST Certificates
· Alarm Statistics
· Custom Reports and Workflows
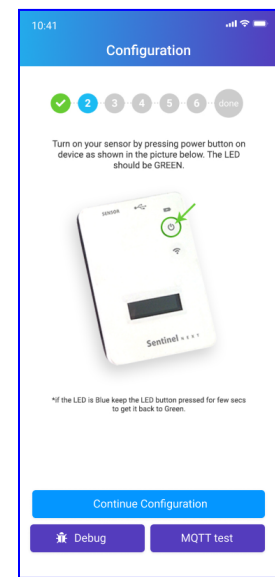
**Sensor configuration Wizard** is an APP to test your network to cloud connectivity, configure sensors in the field and perform advanced diagnostics in case of communication malfunction

**Sentinel Next APP** provides a quick view of the sensor reading, graph, health and status of the alarms. The alarms can also be acknowledged from the APP. In addition, it can be used to validate sensors in the field.

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## Datasheets

### Sentinel NEXT 1S
Monitor environment - Use low power **Wi-Fi**
Product Number: **XTEMP-3101-0000**

#### Specifications

| | |
|---|---|
| **Dimensions (HxWxD)** | 89mm x 60mm x 20mm  (3.50" x 2.36" x 0.78") |
| **Weight** | 102g (3.60 Oz) |
| **Connectors** | 10-pin Sensor Connector; micro USB for Charging |
| **Battery** | Integrated 1000mAh Rechargeable Li-Ion Battery |
| **Wi-Fi Protocols** | IEEE 802.11b/g/n |
| **Wi-Fi Models Supported** | Wi-Fi Direct, Infrastructure, Remote |
| **Wi-Fi Encryption** | WEP, WPA/WPA2 Personal, PEAPv0, PEAPv1, EAP-TLS |
| **On Board Data Storage** | >2 months with a Once/Minute Sampling Rate |
| **Operating Temperature** | 0°C to 40°C on Charger -20°C to 60°C on Battery only |
| **Non-operating Temperature** | -30°C to 70°C |
| **Relative Humidity** | 10% to 90% |
| **Certifications** | FCC, CE |

#### Software to View Data
Cloud, Enterprise or App based solution available.

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## Sentinel NEXT 1S LTE
Monitor environment - **LTE (cell)**
Product Number: **XTEMP-3201-0000**

### Specifications

| | |
|---|---|
| **Dimensions (HxWxD)** | 89mm x 60mm x 25mm (3.50" x 2.36" x 0.98") |
| **Weight** | 102g (3.60 Oz) |
| **Connectors** | 10-pin Sensor Connector; micro USB for Charging |
| **Battery** | Integrated 1000mAh Rechargeable Li-Ion Battery |
| **LTE radio technology** | LTE Cat M1 |
| **LTE Band** | 12 (also supported: 1, 2, 3, 4, 5, 8, 13, 18, 19, 20, 25, 26, 28) |
| **Internal Flexible Antenna** | Wideband 698-3000MHz |
| **Operator** | T-Mobile |
| **Wi-Fi Protocols** | IEEE 802.11b/g/n |
| **Wi-Fi Models Supported** | Wi-Fi Direct, Infrastructure, Remote |
| **Wi-Fi Encryption** | WEP, WPA/WPA2 Personal, PEAPv0, PEAPv1, EAP-TLS |
| **On Board Data Storage** | >2 months with a Once/Minute Sampling Rate |
| **Operating Temperature** | 0°C to 40°C on Charger -20°C to 60°C on Battery only |
| **Non-operating Temperature** | -30°C to 70°C |
| **Relative Humidity** | 10% to 90% |
| **Certifications** | FCC, CE |

### Software to View Data
Cloud, Enterprise or App based solution available.

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## PRO Temperature Probe
IPROBE-4000-0001

| | |
|---|---|
| **Probe Length & Diameter** | Stainless probe: 25mm, Ø 4mm (1", Ø 0.16") |
| **Cable Length** | 304cm (10ft) |
| **Measurement Range** | -30°C to +150°C (-22°F to +302°F) |
| **Accuracy** | ±0.2°C (±0.4°F) at 25°C (77°F) |
| **Response Time (to reach 90%)** | In water, with stirring: <10sec |
| **Display Resolution** | 0.1°C  (0.1°F) |

## RTD - Ultra Low Temperature Probe
IPROBE-4101-0001

| | |
|---|---|
| **Probe Length & Diameter** | Stainless probe: 25mm, Ø 4mm (1", Ø 0.16") |
| **Cable Length** | 183cm (6ft) |
| **Measurement Range** | -200°C to +150°C (-328°F to +302°F) |
| **Accuracy** | ±0.2°C (±0.4°F) at 25°C (77°F) |
| **Response Time (to reach 90%)** | In water, with stirring: <10sec |
| **Display Resolution** | 0.1°C  (0.1°F) |
| **Optional DI (Digital Input)** | dry contact available |

## Temperature and Relative Humidity Connector
IPROBE-4000-0004

| | |
|---|---|
| **Dimensions** | 28mmx10mmx10mm |
| **Temperature Measurement Range** | -40°C to +125°C (-40°F to +257°F) |
| **Accuracy** | ±0.3°C (±0.5°F) |
| **Relative Humidity Range** | 0 to +100% RH |
| **Response Time (to reach 66%)** | 5 to 30sec for T; 8sec for RH |
| **Display Resolution** | 0.1°C  (0.1°F) |

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## RTD Temperature Probe with Dry Contact
IPROBE-4101-0004

| | |
|---|---|
| **Probe Length & Diameter** | Stainless probe: 25mm, Ø 4mm (1", Ø 0.16") |
| **Cable Length** | 183cm (6ft) |
| **Measurement Range** | -200°C to +150°C (-328°F to +302°F) |
| **Accuracy** | ±0.2°C (±0.4°F) at 25°C (77°F) |
| **Response Time (to reach 90%)** | In water, with stirring: <10sec |
| **Display Resolution** | 0.1°C  (0.1°F) |
| **Optional DI (Digital Input)** | dry contact available |

## Door Contact

| | |
|---|---|
| **Circuit type** | Open loop |
| **Operation gap** | ½"(13mm) |
| **Color** | White |
| **Terminals** | Screw-type |
| **Mounting Tabs** | Yes |
| **Case** | High-impact ABS plastic |
| **Contacts** | Deactivated rhodium on gold under-plating |
| **Contact rating** | 0.1A@100VDC (max), 1.0A@10VDC (max), 10W (max) |
| **Temperature** | -15°~160°F (-25°~70°C) |
| **Switch cycles** | 50 Million (0.1mA@5VDC) |
| **Switch Dimensions** | 21/2"x9/16"x1/2" (63.5x14x13mm) |
| **Magnet Dimensions** | 21/2"x1/2"x1/2" (63.5x13x13mm) |
| **Magnet Type** | Ferrite |

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## Large Range CO2 Probe (0-30%)

IPROBE-4400-0002

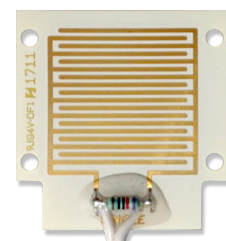| | |
|---|---|
| **Probe Dimensions** | 7.6cm x 9.5cm x 3.8cm (3" x 3.75" x 1.5") |
| **Cable Length** | 100cm (~39") |
| **Operating Principle** | Non-dispersive infrared (NDIR) |
| **Measurement range CO2** | 0 to 30%vol($CO_2$) |
| **Measurement RH** | 0 to 100% (non-condensing) |
| **Measurement range °C** | -40 to 60 °C |
| **Accuracy** | ± 0,25vol ± 3% of reading |
| **Operation temperature range** | 0 to 50 °C |
| **Operation humidity range** | 0 to 95% RH (non-condensing) |
| **Display Resolution** | 0.1°C (0.1°F) |

## Ambient CO2 Probe

IPROBE-4400-0001

| | |
|---|---|
| **Probe Dimensions** | 7.6cm x 9.5cm x 3.8cm (3" x 3.75" x 1.5") |
| **Cable Length** | 100cm (~39") |
| **Operating Principle** | Non-dispersive infrared (NDIR) |
| **Measurement range CO2** | 0 to 5000 ppm ($CO_2$) |
| **Measurement RH** | 0 to 100% (non-condensing) |
| **Measurement range °C** | 0 to 50 °C |
| **Accuracy** | ± 30ppm ± 3% of reading |
| **Operation temperature range** | 0 to 50 °C |
| **Operation humidity range** | 0 to 80% RH (non-condensing) |
| **Display Resolution** | 0.1°C (0.1°F) |

## Water (Leak) detection Probe

IPROBE-4200-0001

| | |
|---|---|
| **Impedance range** | 0Ω to 2MΩ (Lower limit theoretical) |
| **Accuracy** | 1.8V |
| **Maximum Current** | <0.18mA |
| **Response Time (to reach 66%)** | 10ms |

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## Differential Pressure, +/- 125 Pa

XTEMP-4000-0020

| | |
|---|---|
| **Output** | I2C |
| **Pneumatic Connection** | Manifold or Tube |
| **Pressure range (bidirectional)** | 125 Pa   0.5" H2O |
| **Accuracy of measured value** | 3% |
| **Lowest detectable pressure** | < 0.01 Pa |
| **Measurement speed** | 0.5 ms |
| **Calibrated for** | Air, N2 |
| **Gas compatibility** | Air, inert gas |
| **Dimensions** | 29mmx18mmx25.4mm |
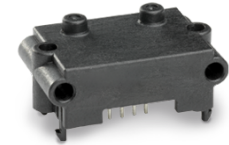
## Differential Pressure, , +/- 500 Pa

XTEMP-4000-0021

| | |
|---|---|
| **Output** | I2C |
| **Pneumatic Connection** | Manifold or Tube |
| **Pressure range (bidirectional)** | 500 Pa   2" H2O |
| **Accuracy of measured value** | 3% |
| **Lowest detectable pressure** | < 0.02 Pa |
| **Measurement speed** | 0.5 ms |
| **Calibrated for** | Air, N2 |
| **Gas compatibility** | Air, inert gasses |
| **Dimensions** | 29mmx18mmx25.4mm |

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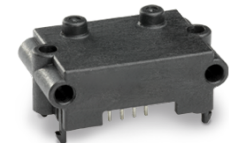
## Oxygen Sensor
IPROBE-4400-0003

| | |
|---|---|
| **Output** | I2C |
| **Detected Gas** | O2 |
| **Measurement range** | 0-25% Vol |
| **Maximum Measurement limit** | 30% Vol |
| **Response time** | ≤15 s |
| **Repeatability (precision)** | <2% of reading |
| **Resolution** | 0.15% Vol |
| **Stability (per month)** | <2% |
| **Zero drift (-20°C to 40°C)** | ≤0.1% Vol |
| **Storage Temperature** | -20°C to 50°C |
| **Storage Humidity** | 0 to 100% Relative Humidity |
| **Pressure range** | Standard atmospheric pressure ± 10% |
| **Anticipating using life** | 2 years |
| **Dimension (L x W x H)** | 37 x 27 x 24.5 mm |
| **Weight** | ~37g |

## Soil Moisture Sensor
IPROBE-4200-0002

| | |
|---|---|
| **Supply Voltage** | 3.5 to 20V |
| **Output** | 0 to 3V |
| **Power consumption** | < 13mA |
| **Measurement range** | 0-100% Volumetric Water Content (VWC) |
| **Response time** | 400 ms |
| **Accuracy at 25°C** | 2% |
| **Operational Temperature** | -40°C to 85°C |
| **Operational Humidity** | 0 to 100% (Waterproof) |
| **Dimension (L x W x H)** | See drawing |
| **Weight** | ~65g |

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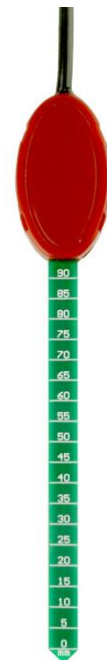
# Water Level Sensor
IPROBE-4200-0003

| | |
|---|---|
| **Supply Voltage** | 3.5 to 20V |
| **Output** | 0 to 3V |
| **Power consumption** | 1.2mA |
| **Measurement range** | 0-100% relative to calibration length |
| **Resolution** | 0.1% of the calibrated length |
| **Response time** | 400 ms |
| **Accuracy at 25°C** | 2% |
| **Operational Temperature** | -40°C to 85°C |
| **Operational Humidity** | 0 to 100% (Waterproof) |
| **Dimension (L x W x H)** | See drawing |
| **Weight** | ~65g |

# PM Sensor
XPM-1000-0001

| | |
|---|---|
| **Dimension** | 41 x 41 x 12mm |
| **Weight** | 28gm |
| **Measurement Method** | Laser Scattering (600nm Wavelength) |
| **Particle Sizes** | PM0.5, PM1, PM2.5, PM4, PM10 |
| **Number Concentration** | 0-3000/cm3 |
| **Mass Concentration** | 0-1000microgram/m3 |
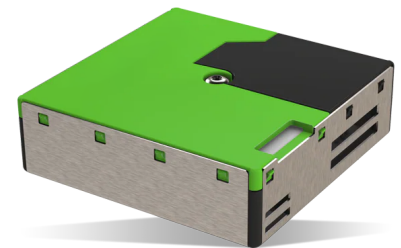
Coming soon **VOC** (volatile organic compound) and **NOx** sensors.

## Contact us for specialty sensors:
**Pipe sensor** (measures pipe surface temperature), **Capture display reading** (using a camera and converting to digital reading), **Water Turbidity**, **Dissolved oxygen** and **Corrosion.**

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| Ref ID | Name | Probe ID | Range | Notes |
|---|---|---|---|---|
| SNT-X/RTD-X | **Sentinel Next 1S base unit** | XTEMP-3101-0000 | No Probes | Base WiFi communication unit |
| SNT-X/RTD-X | **Sentinel Next 1S LTE base unit** | XTEMP-3201-0000 | No Probes | LTE communication unit |
| Probe-SNT-X-1 | **PRO Temperature Probe System, single** | IPROBE-4000-0001 | -30°C to +150°C | Single temperature adaptor + 1m probe |
| Probe-SNT-X-2 | **PRO Temperature Probe System, dual** | IPROBE-4000-0010 | -30°C to +150°C | Dual temperature adaptor + 1m probe |
| Probe-RTD-X-1 | **RTD, Single Adaptor + 6ft Probe** | IPROBE-4101-0001 | -198°C to +150°C | Single Ultra Low Temp system |
| Probe-RTD-X-2 | **RTD, Dual Adaptor + 6ft Probe** | IPROBE-4102-0001 | -198°C to +150°C | Dual Ultra low Temp System |
| Probe-RTD-X-1-A | **RTD, Single Adaptor Only** | IPROBE-4101-0001-A | No Probes | Standard Audio Jack on Adaptor for Probe |
| Probe-RTD-X-2-A | **RTD, Dual Adaptor Only** | IPROBE-4102-0001-A | No Probes | Standard Audio Jack on Adaptor for Probe |
| Probe-RTD-X-1-DC-A | **RTD, Single Adaptor + Dry Contact** | IPROBE-4101-0002-A | No Probes | Standard Audio Jack on Adaptor for Probe |
| Probe-RTD-X-2-DC-A | **RTD, Dual Adaptor + Dry Contact** | IPROBE-4102-0002-A | No Probes | Standard Audio Jack on Adaptor for Probe |
| Probe-RTD-X-6-P | **RTD Probe only, 6ft** | IPROBE-4100-000-6-P | -198°C to +150°C | Probe length 6ft |
| Probe-RTD-X-10-P | **RTD Probe only, 10ft** | IPROBE-4100-000-10-P | -198°C to +150°C | Probe length 10ft |
| Probe-RTD-X-1-DC | **RTD Probe only with, single Dry Contact** | IPROBE-4101-0002 | -198°C to +150°C with dry contact | Specify Dry Contact when ordering |
| Probe-RTD-X-2-DC | **RTD Probe only with, dual Dry Contact** | IPROBE-4102-0002 | -198°C to +150°C with dry contact | Specify Dry Contact when ordering |
| Probe-DC-X-1 | **Single Dry Contact only** | IPROBE-4300-0001 | No Probes | Specify Dry Contact when ordering |
| Probe-DC-X-2 | **Dual Dry Contact only** | IPROBE-4300-0002 | No Probes | Specify Dry Contact when ordering |
| Probe-SHT | **T/RH Connector: Temp & RH** | IPROBE-4000-0004-1 | 0°C to +40°C 0 to +100% RH | RH is relative Humidity |
| Probe-SHT+ | **T/RH Probe: Temp & RH** | IPROBE-4000-0004-2 | -40°C to +125°C 0 to +100% RH | Recommended for use: 10C to 30C |
| Probe-SNT-X-2-SHT | **"PRO Temperature probe, dual with T/RH connector"** | IPROBE-4000-0011 | T probes: -30°C to +150°C T/RH connector: 0°C to +40°C" | 2 Temp Probes with T/RH connector; RH is 0 to +100% |
| Probe-SNT-X-CO2-PLUS | **Large Range CO2 Probe with T/RH** | IPROBE-4400-0002 | 0-30% CO2 0 to 100% RH 0°C to 50°C" | |
| Probe-SNT-X-CO2-Amb | **Ambient CO2 Probe with T/RH** | IPROBE-4400-0001 | 0 to 5000 ppm (CO2) 0 to 100% RH 0°C to 50°C | |
| Probe-SNT-X-WET | **Water (Leak) detection Probe** | IPROBE-4200-0001 | 0Ω to 2MΩ | |
| Probe-DPS-X-125 | **Differential Pressure, +/- 125 Pa** | IPROBE-4000-0020 | 125 Pa (0.5 in. H2O) | Manifold or Tube; Calibrated for Air, N2 |
| Probe-DPS-X-500 | **Differential Pressure, , +/- 500 Pa** | IPROBE-4000-0021 | 500 Pa (2 in. H2O) | Manifold or Tube; Calibrated for Air, N2 |

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| Ref ID | Name | Probe ID | Range | Notes |
|---|---|---|---|---|
| Probe-RTD-X-1-A-M | **RTD Single Adaptor with 1m Cable and Premium connector** | IPROBE-4101-0003-A | No Probes | Probe tip with connector order separately |
| Probe-RTD-X-1-DC-A-M | **RTD Single Adaptor + Dry contact with 1m Cable and Premium connector** | IPROBE-4101-0002-M | No Probes | Probe tip with connector order separately |
| Probe-RTD-X-1-A-H | **RTD Single Adaptor with 1m Cable and Standard connector** | IPROBE-4101-0003-H | No Probes | Probe tip with connector order separately |
| Probe-RTD-X-1-DC-A-H | **RTD Single Adaptor + Dry contact with 1m Cable and Standard connector** | IPROBE-4101-0004-H | No Probes | Probe tip with connector order separately |
| Probe-RTD-P-M | **RTD Probe tip only with 1m Cable and Premium connector** | IPROBE-4101-0002-P | -198°C to +150°C | Use with IPROBE-4101-0003-A or IPROBE-4101-0002-M |
| Probe-RTD-P-H | **RTD Probe tip only with 1m Cable and Standard connector** | IPROBE-4101-0003-HP | -198°C to +150°C | Use with IPROBE-4101-0003-H or IPROBE-4101-0004-H |
| Probe-SNT-X-1-A-M | **PRO Single Adaptor with 1m Cable and Premium connector** | IPROBE-4000-0001-C | No Probes | Probe tip with connector order separately |
| Probe-SNT-X-1-DC-A-M | **PRO Dual Adaptor with 1m Cable and Premium connector** | IPROBE-4000-0010-D | No Probes | Probe tip with connector order separately |
| Probe-SNT-X-1-A-K | **PRO Single Adaptor with 1m Cable and Standard connector** | IPROBE-4000-0001-K | No Probes | Probe tip with connector order separately |
| Probe-SNT-X-1-DC-A-K | **PRO Dual Adaptor with 1m Cable and Standard connector** | IPROBE-4000-0010-KD | No Probes | Probe tip with connector order separately |
| Probe-SNT-P-1-M | **PRO Single Probe tip with 1"" Cable and Premium connector** | IPROBE-4000-0001-P | -30°C to +150°C | Use with IPROBE-4000-0001-C or IPROBE-4000-0010-D |
| Probe-SNT-P-4-M | **PRO Single Probe tip with 4"" Cable and Premium connector** | IPROBE-4000-0001-P2-0 | -30°C to +150°C | Use with IPROBE-4000-0001-C or IPROBE-4000-0010-D |
| Probe-SNT-P-1-K | **PRO Single Probe tip with 1"" Cable and Standard connector** | IPROBE-4000-0001-KP | -30°C to +150°C | Use with IPROBE-4000-0001-K or IPROBE-4000-0010-KD |
| Probe-SNT-P-4-K | **PRO Single Probe tip with 4"" Cable and Standard connector** | IPROBE-4000-0001-P2-K | -30°C to +150°C | Use with IPROBE-4000-0001-K or IPROBE-4000-0010-KD |

## OTHER ACCESSORIES

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|---|---|---|---|---|
| Door contact | **Door-Alarm** | HW-DOOR-CONTACT | | Use with Dry contact |
| Probe-SHT+ | **T/RH Probe: Temp & RH** | IPROBE-4000-0004-2 | -40°C to +125°C 0 to +100% RH | Recommended for use: 10C to 30C |
| Glycol bottle | **Gly-bot** | XACCES-1000-0001 | | IceClear PGX for temperatures > -30C; Wax beads for temperatures < -30C |