Temperature and Humidity Sensor

Automated Comfort. Trusted Safety. Intelligent Environmental Monitoring.

OVERVIEW
The OneVue Sense Temperature and Humidity Sensor continuously measures indoor air conditions to ensure safe, comfortable environments across healthcare, research centers, and senior living facilities. Real-time data is displayed locally and transmitted to the cloud-based OneVue® software platform, where staff can monitor conditions across multiple spaces and take corrective action when needed.

BENEFITS

Receive Early Warning
Real-time alerts notify staff when temperature or humidity leaves the safe range.

Keep Areas Safe and Comfortable
Continuous monitoring maintains healthy indoor environments.

Meeting Compliance Guidelines
Helps meet OSHA comfort guidance and reduce safety risks.

Scaled to Fit
Designed to grow with facilities of all sizes.

Peace of Mind
Provides early notice of HVAC or building system issues.

Optimize Facility Workflows
Supports satisfaction, safety, and performance.

USE CASES

- Patient rooms, waiting rooms, and clinical care areas
- Operating rooms and sterile corridors
- Senior living and long-term care facilities
- Laboratories, pharmacies, and research centers
- Administrative offices, classrooms, and shared spaces

OneVue Sense Temperature and Humidity Sensor

SENSORS

421-000002	Temperature and Humidity Sensor, 120V, Configured, Wi-Fi Model, Includes Programming Cable, Batteries and AC power adapter. Requires OneVue Service and Support plan.

SENSOR ACCESSORIES

400-000082	Sensor Power Supply 5 VDC (1 A max) power supply
400-000078	Power Cord Extension (2 meter), Extension cable for Sense power supply, 2 meter (~ 6 feet) length. Mini USB to Mini USB.
400-000080	Sensor Battery Pack 3.0v Energizer L91-FR6 3.0V Battery Pack (2 AA batteries in single pack)

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Features

Automated continuous monitoring with customizable text, phone, email, audible, and visual alerts

Identifies HVAC issues early and helps maintain OSHA comfort compliance

Access to OneVue software with audit-ready reporting and 10-year cloud data retention

Local LCD display with temperature, humidity, min/max logs, and diagnostics

Flexible reporting intervals that meet CDC and TJC requirements

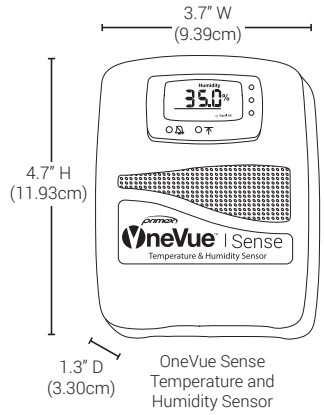
SPECIFICATIONS

Ambient Temperature Range
32 °F to 122 °F (0 °C - 50 °C)

Humidity Range
0% to 100% RH

Ambient Temperature Accuracy
± 1.0 °F (+/-0.5 °C) between 32 °F and 122 °F (0 °C and 50 °C)

Humidity Accuracy
± 3% RH for range of 20% to 80% RH, ± 5% outside of range



CRYOGENIC SMARTPROBE WITH CERTITRAK SPECIFICATIONS

Temperature Range
-324.4 °F to 302 °F (-198 °C to 150 °C)

Accuracy
± 1.0 °F (0.5 °C)

Sheath Material
Stainless steel

Sheath Diameter
1/4" (0.63cm)

Cable Properties
Nylon

Cable Length
6' (1.8m)

WIRELESS & NETWORK COMMUNICATION

Wireless Networking Protocols
802.11b, 11g, 11n single stream, 2.4 GHz

Encryption Protocols
WEP, WPA, WPA2 (AES and TKIP)

Authentication Protocols
EAP-FAST, AP-TLS, EAP-TTLS, PEAP-VOMSCHAP, PEAP-V1-GTC

Data Packet Size
Typically less than 5 kilobytes (kB)

Network Communication Protocols
Hypertext Transfer Protocol Secure (HTTPS)

IP Addressing
Dynamic Host Configuration Protocol (DHCP), static IP addressing

ENVIRONMENT

Operating Temperature
32 °F to 122 °F (0 °C to 50 °C), indoor use only

Storage Temperature
-4 °F to 140 °F (-20 °C to 60 °C)

CERTIFICATIONS AND COMPLIANCE

FCC, CE, and IC-compliant

SOC2 Compliance
Working toward FDA 21 CFR Part 11 and FedRamp Compliance

ENCLOSURE

ABS Plastic

Dimensions
4.7" H x 3.7" W x 1.3" D
(11.93cm x 9.39cm x 3.30cm)

Weight
0.3 lb (136 gram) with 2 AA batteries

LED Status Indicator
Green, yellow, red

Two User Buttons
Local Alarm Silence Button, and Check-in Button for manual data transmission

Mounting Options
Keyhole slot with lockdown screw holes in back panel for wall mount; or surface mount with supplied dual-lock adhesive mounting strips

OPERATION

Alerts
Audio, visual LED, LCD display

Audio Alert Reset Period
User-defined
(next alarm, 15min, 30min, 1hr, 2hr, 3hr, 4hr)

Reset Minimum and Maximum
User-defined

Configuration
Primex Device Configuration software

Secure Data Wipe
Factory reset function

Stored Reading Capacity
4,096 readings

Reporting Interval
User-defined
(15min, 20min, 30min, 1hr, 2hr, 4hr, 8hr, 12hr)

Logging Interval
User-defined
(15min, 20min, 30min, 1hr, 2hr, 4hr, 8hr, 12hr)

POWER

Recommended AC-Power
- 5V DC USB Mini B (5-pin) connector interface
- 5-ft (1.5 m) cable
- Input: 100-240 VAC, 50/60 Hz, 0.4A
- Output: 5V, 1.0A max

Battery Power Backup
- 2 AA 1.5V batteries; use of Energizer® L91 Ultimate Lithium batteries recommended to minimize maintenance and maximize uptime
- Estimated Battery Life: up to 18 months; assuming a 1-hour logging interval, 8-hour reporting interval and adequate wireless signal
- Low-battery indicator

OneVue Sense®
Environmental Monitoring by Primex

To Learn More: Call: 855-602-2934 | Email: info@primexinc.com | Visit: onevuesense.primexinc.com

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