

# 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)

# 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

## 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

## 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)

## 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

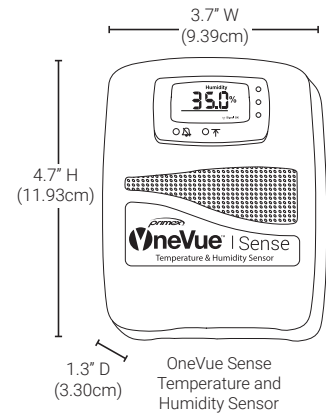
4,096 readings

### Reporting Interval

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

### Logging Interval

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



## 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

## 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



To Learn More: Call: 800-366-5320 | Email: [marketing@eccoinc.com](mailto:marketing@eccoinc.com) | Visit: [eccoinc.com/onevuesense](http://eccoinc.com/onevuesense)