

Temperature Sensor

Automated Compliance.
Trusted Protection.
Intelligent Monitoring.

OVERVIEW

OneVue Sense Temperature Sensors deliver automated, 24/7 monitoring designed for healthcare, laboratory, life sciences, and regulated facilities. OneVue Sense eliminates manual logging, strengthens compliance, and protects critical temperature-sensitive assets across your organization.

BENEFITS

Protect Inventory

Automated, around-the-clock monitoring ensures temperature-sensitive items remain safe.

Receive Early Warning

Real-time alerts allow rapid corrective action when temperatures drift out of range.

Compliance Made Easy

Cloud-based reports simplify compliance with CDC, TJC, and audit requirements.

Scaled to Fit

A flexible platform that expands from small clinics to large multi-site systems.

Peace of Mind

Know that vaccines, medications, and critical samples are continuously protected.

USE CASES

- Vaccine storage and medication refrigeration
- Hospital pharmacies and blood banks
- Clinical and research laboratories
- Food service and nutrition department safety monitoring



OneVue Sense
Temperature
Sensor with Probe



Thermobuffer
Options of
Glycol or Wax



Cryogenic
Thermobuffer
Optional

SENSORS

401-000004	Dual Temperature Sensor, Dual Probe Support, Wi-Fi, 120V. Includes Batteries and AC power adapter. Requires OneVue Service and Support plan.
401-000003	Temperature Sensor, Single Probe Support, Wi-Fi, 120V. Includes Battery and AC power adapter. Requires OneVue Service and Support plan.
401-000002	Temperature Sensor, Single Probe Support, PoE, Power Supply, and Batteries. Requires OneVue Service and Support plan.
401-000001	Dual Temperature Sensor, Dual Probe Support, PoE, Power Supply, Cat5 Cable and Batteries. Requires OneVue Service and Support plan.

RECOMMENDED PROBES

401-000016	Glycol Thermobuffer w/ Certitrap probe, (60ml) Glycol thermal buffer assembly for Certitrap probe. Includes serialized NIST probe. For use with Sense sensor.
498-000005	Cryogenic Smartprobe, 4" (10.16cm) RTD, 6' (1.8m) Ribbon Cable -198 °C to 150 °C, (NIST) RTD temperature probe, range -198 °C to 150 °C. Contains onboard memory for certificate storage.

LESS COMMON PROBES

401-000015	Wax Thermobuffer w/ Certitrap probe, (60ml) Solid (WAX-based) thermal buffer assembly for Certitrap probe. Includes serialized NIST SMART probe. For use with Sense sensor.
498-000006	Smartprobe, 4" (10.16cm) RTD, 6' (1.8m) Ribbon Cable - 40 °C to 105°C, (NIST) RTD temperature probe, range - 40 °C to 105°C. Contains onboard memory for certificate storage.

400-000080	Sensor Battery Pack 3.0v Energizer L91-FR6 3.0V Battery Pack (2 AA batteries in single pack)
400-000077	6' (1.8m) RTD Probe Extension Cable for Sense RTD temperature probe
400-000076	25' (7.62m) RTD Probe Extension Cable for Sense RTD temperature probe
400-000078	Power Cord Extension (2 meter), Extension cable for Sense power supply, 2 meter (~ 6 feet) length. Mini USB to Mini USB.
400-000082	Sensor Power Supply 5 VDC (1 A max) power supply

SENSOR ACCESSORIES

401-000013	Sense Thermobuffer, Glycol (60ml) Bottle for RTD Probe and Thermistor (NIST)
499-000018	Cryogenic Thermobuffer, Stainless steel sheath for cryogenic probes provides durable protection from large temperature fluctuations when the door is opened. May be reused when probe is replaced.

Features

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

AC or PoE power options - both with battery backup

Smartprobe with CertiTrak™ calibration traceability and downloadable certificates

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

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

Flexible reporting intervals that meet CDC and TJC requirements

Downloadable NIST certificates

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

Mounting Options

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

SMARTPROBE WITH CERTITRAK SPECIFICATIONS

Temperature Range

-40 °F to 221 °F (-40 °C to 105 °C)

Accuracy

± 1.0 °F (0.5 °C)

Sheath Material

Stainless steel

Sheath Diameter

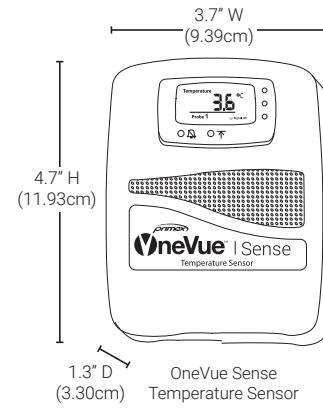
1/4" (0.63cm)

Cable Properties

Ribbon

Cable Length

6' (1.8m)



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

Wired Ethernet (optional)

With Power Over Ethernet (PoE) models; 10/100Mbps Ethernet IEEE Standard 802.3

Encryption Protocols

WEP, WPA, WPA2 (AES and TKIP)

Authentication Protocols

EAP-FAST, AP-TLS, EAP-TTLS, PEAP-V0MSCHAP, 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

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