MesaLabs

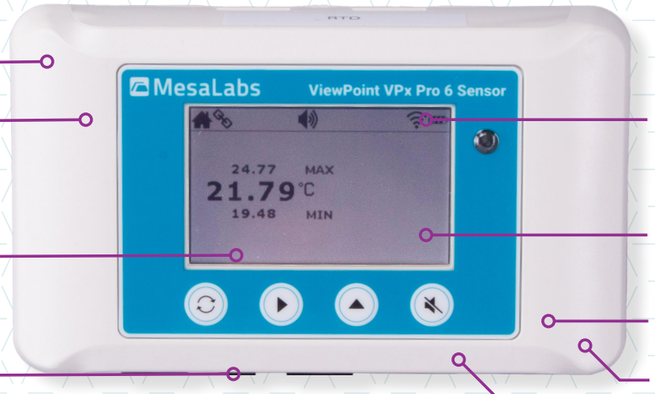
ViewPoint® Continuous Monitoring System

Sensors, Software and MesaCare™

ViewPoint® Continuous Monitoring System

The ViewPoint® Continuous Monitoring System (CMS), is designed to ensure the safety, quality, and integrity of environmentally sensitive assets, areas, and processes[1,2]. All products in the ViewPoint® family are FCC/IC certified, RoHS compliant, and fully compatible with both **ViewPoint® Pro Enterprise (On-Prem)** and **ViewPoint® Cloud** Continuous Monitoring Software[3]. The apex of the ViewPoint® family, the **VPx Pro 6** CMS, is the most advanced and comprehensive solution, ideal for FDA-regulated facilities that require monitoring of multiple parameters with a single, unified system.

ViewPoint® VPx Pro 6



Monitoring Capability of 12 parameters with one sensor

Tuned and optimized antenna maximizes radio range, total radiated power, conducted power, and antenna efficiency[2]

Interactive LCD screen and user interface with local audible & visual alerting capability

Four input ports allows maximum flexibility with ability to interchange external probes

Indicators of battery and network connectivity

Improved power usage efficiency[2]

Sensor diagnostic screen for troubleshooting and communication status

On-board memory of up to 10,000 data points

Robust fault tolerant file system and **continuous buffering** of measurement data

Improved sensor circuit electronics accuracy[2] for greater overall system accuracy

Scan the QR Code to see the VPx Pro Specfications sheet

Radio Communication:	900 MHz (902-928 MHz) frequency
Application Range	-200 °C to +300 °C
Operating Environment	+15 to +70°C and 0-90% relative humidity (RH) non-condensing
On-board Memory	Local data storage of up to 10,000 logged data points
Display	2.75" B&W LCD Display with User Interface; local audio (beeping) and visual (flashing LED) alerts
Inputs	2 analog inputs, 1 digital input, 1 dry contact/ binary input
Power	3 AA size 3.6V 2.4Ah lithium batteries, or 3 AA size 1.5V alkaline batteries, or 3 A size 3.6V 3.6Ah lithium batteries, or external 5V/1A AC power adapter
Dimensions	5" W x 3.25" H x 1.125" D; 5.625" W x 4.125" H x 1.625" D (with cradle)
Weight	7 oz (with Li-ion batteries); 9 oz (with Li-ion batteries and cradle)

CDC Vaccines for Children (VFC) Program Compliance

With usage of VPx Pro 6 sensors, you can rest assured these will meet and exceed CDC Vaccines for Children program guidelines[4].

Tailored ViewPoint® System

With the **ViewPoint® VPx Pro 6**, **Essentials**, or **VPx Wi-Fi Sensors**, customers can select the continuous monitoring system that best meets the needs of their facility. The ViewPoint® Essentials System offers enhanced-performance sensors that maintain the same high quality and accuracy found in all ViewPoint® CMS solutions. It is an ideal option for customers who require reliable monitoring of a more focused range of parameters, such as temperature and/or relative humidity.

ViewPoint® Essentials Sensor

Tuned and optimized antenna maximizes radio range, total radiated power, conducted power, and antenna efficiency[2]

On-board memory of up to 4,000 data points

Configurable sensor settings from 1 minute to 12 hours

Efficient battery life performance[2] and user replaceable batteries

Snap Hirose connector means probe replacement is quick and easy

Sensor LED indicator

Multimodal push button functionality for toggling operation modes and sensor status indications

Improved sensor circuit electronics for greater overall system accuracy[2]

Scan this QR Code to see the Essentials Specfications sheet

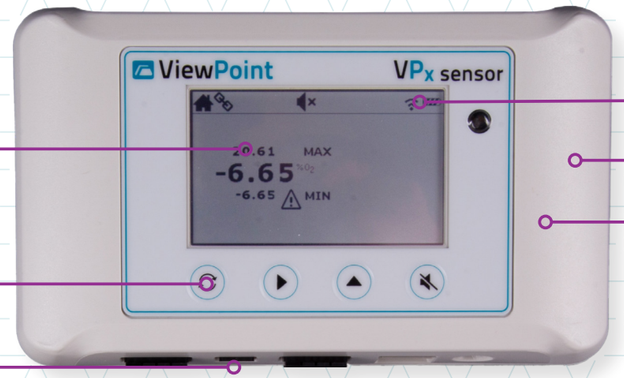
Radio Communication:	900 MHz (Region 2 ISM Band 902-928 MHz) frequency hopping radio
Application Range:	-90°C to 60°C
Operating Environment:	+15°C to +40°C and 0 to 90% relative humidity (RH) non-condensing
On-board Memory:	Local data storage of up to 4,000 logged packets
Inputs:	1 analog input, 1 digital input, 1 discrete/ binary input
Power:	2 AA size 1.5V alkaline batteries
Dimensions:	2.15" W x 4.25" H x 1.125" D
Weight:	4.1 oz (with batteries)

ViewPoint Wi-Fi

900 MHz or Wi-Fi

For customers looking to leverage their existing Wi-Fi network with a simplified setup and configuration process, the **ViewPoint® VPx Wi-Fi System** offers an ideal solution. It combines ease of use with the flexibility to monitor a wide range of parameters. With multiple input types configurable to meet your specific needs, the ViewPoint® VPx Wi-Fi system ensures comprehensive monitoring without the complexity.

ViewPoint® VPx Wi-Fi Sensor



LCD screen displays current readings and cumulative min/max since last reset, with local audible and visual alert capability

Touch-button user interface allows access to on-board diagnostics

Four input ports allows maximum flexibility with ability to interchange external probes

Indicators of battery and network connectivity

Monitoring Capability of 12 parameters with one sensor

On-board memory of at least 4,000 data points

Scan this QR Code to see the ViewPoint® Wi-Fi Specfications sheet

Radio Communication	Wi-Fi 2.4 GHz (802.11 b/g) radio transmission; Wi-Fi Alliance certified for WPA2-PSK; Wireless data transmission via Region 2 ISM band (902-928 MHz)
Application Range	-200 °C to +300 °C
Operating Environment	0°C to +70°C and ≤95% relative humidity (RH) non-condensing
Display	2.75" B&W LCD Display with User Interface; local audio and visual (LED) alerts
Inputs	2 analog inputs, 1 digital input, 1 doorway switch/ motion/ alarm contact input
On-board memory	Local data storage of at least 4,000 logged data points
Power	5V DC line and/or two (2) AA 3.6V lithium-ion batteries as back-up in case of power outages.
Dimensions	5" W x 3.25" H x 1.125" D; 5.625" W x 4.125" H x 1.625" D (with cradle)
Weight	7 oz; 9 oz (with cradle)

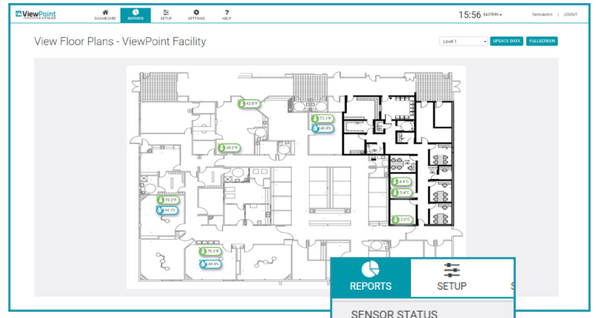
ViewPoint® Continuous Monitoring Software

As the ViewPoint® Continuous Monitoring System (CMS) safeguards your critical assets, the **ViewPoint® Cloud Continuous Monitoring Software** and **ViewPoint® Pro Enterprise (On-Prem) Software** simplify every aspect of monitoring. From data storage and analysis to receiving notifications, alerts, and generating reports, ViewPoint® software ensures a seamless experience. Serving as the key to **maximizing security, regulatory compliance, and product integrity**, ViewPoint® software is the essential component that elevates your continuous monitoring system to its full potential[1]. ViewPoint® software applications are **USFDA 21 CFR Part 11 compliant**, providing defensible audit trail and reports to maintain healthcare accreditation and **adherence to GxP guidelines[5,6]**.

ViewPoint® Cloud

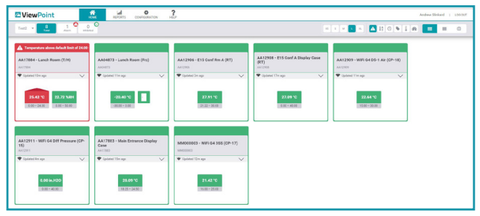
ViewPoint® Cloud (VPC) is an intuitive, validated and configurable cloud-based software system connecting all environmental monitors and sensors. ViewPoint® Cloud Continuous Monitoring Software is the ultimate, flexible software allowing users gap-free monitoring of multiple, critical assets in real-time providing access from any computer, smart-phone or tablet.

+ **Scalable:** Manage thousands of sensors in single, convenient web application.
+ **Secure:** Fully cloud-managed, backed-up, with encrypted data transport.
+ **Real-time data collection:** Preserves product integrity and controlled environmental conditions.
+ **Automated Monitoring and Reporting:** Reduces risk, increase efficiency, and minimize human error[7].
+ **Cutting-Edge, Customizable Data Visualizations and Reporting**



ViewPoint® Pro Enterprise (On-Prem)

ViewPoint® On-Prem software runs on your network infrastructure, whether that's on a server or on a virtual machine.



+ **Portal access via a web-browser:** View data, configure system settings, while user is on their network.
+ **Full control of access, roles and permissions:** Your System Admins can configure user access, authentication and allowable permissions, views and ability to make changes.
+ **Immutable Audit Trail:** Faithfully captures and records each time-stamped event and action, user activity, corrective actions, system changes and more, for regulatory compliance.
+ **Scalable Enterprise Level Monitoring System:** Easily configure your system for alerts and alarms for any parameter.
+ **Valuable Asset Status Tracking:** Intuitive platform to allow for easy importing of floor plan maps and overlaying assets being monitored.

MesaCare™

You rely on your Continuous Monitoring System (CMS) to maintain regulatory compliance by safeguarding critical assets, products, areas and processes. Mesa Labs Service and Support teams have the in-depth knowledge and expertise to aid in maximizing the uptime, longevity and operational performance of your system. From the design, installation and configuration of your bespoke system to calibration, expert technical support and MesaCare™ Service Agreements, Mesa Labs provides a complete suite of services for end-to-end care across the full lifecycle of your Continuous Monitoring System.

- Consultation and Customer Design
- Calibrations
- Installation and Configuration
- Technical Support and Training
- System Validation and Qualification
- Temperature Mapping Services

	MesaCare Lite Cloud	MesaCare Lite On-Prem	MesaCare Complete Cloud	MesaCare Complete On-Prem
ViewPoint® Cloud Software License & Software Upgrades	●	○	●	○
ViewPoint® Pro On-Prem Software License & Software Upgrades	○	●	○	●
24/7 Technical Support & User Training	●	●	●	●
Annual Onsite NIST 1-Point OVIC (Calibrations)	○	○	●	●
Hardware Firmware Updates	○	○	●	●
Annual Sensor Battery Replacements	○	○	●	●
Qualification Validation Protocols	○	○	●	●

● Feature Available ○ Feature Unavailable

Built for today. Safeguarding tomorrow.

At Mesa Labs, our commitment to being a purpose-driven business guides our journey towards an impactful future. We play a critical role in a GxP company's risk and quality management system. Mesa Labs provide a full white glove service offering from consultation & system design, installation & system validation, programming & training, 24/7 technical support, calibrations, and preventative maintenance to help ensure staying compliant remains simple.

To learn more, visit us online by scanning:

References

[1] ISPE Baseline® Guide: Sterile Product Manufacturing Facilities (Third Edition)
[2] Internal Mesa Laboratories V&V Data
[3] ViewPoint® FCC certification; ViewPoint® RoHS compliance certification
[4] CDC Vaccine Storage and Handling Toolkit, March 2024 (www.cdc.gov/vaccines/hcp/admin/storage/toolkit/storage-handling-toolkit.pdf)
[5] ASHRAE 170-2017
[6] US FDA cGMP for Finished Pharmaceuticals (21 CFR parts 210 and 211)
[7] EU GMP Annex 1; FDA Guidance for Industry: Sterile Drug Products Produced by Aseptic Processing — Current Good Manufacturing Practice

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