

VPx Sensors:

VPx sensors integrate seamlessly with Mesa's ViewPoint Web-based application, providing access from any computer or networked mobile device.



ViewPoint's VPx Sensor:

- Meets the CDC's Vaccines for Children (VFC) functional requirements
- Is available in LCD and non-LCD options
- Offers Lithium battery (12-24 months) or line-powered options
- Provides 2 digital and 1 analog (dry contact / binary) inputs
- Has expanded local data storage of more than 4,000 readings per channel
- Contains local audible and visual (LED) alerts
- Designed with removable probe terminal blocks
- Offers NIST or ISO/IEC ILAC-MRA 17025:2005 Certificate of Calibration

In addition, the new mounting provides streamlined cabling options and security.

The new CDC's Vaccines for Children (VFC) mandate requires a display when monitoring vaccine storage. Customers looking for compliance with the new VFC requirements may determine a need for both LCD and Non-LCD VPx units. VPx sensors are available in 915 MHz and Wi-Fi 2.4 GHz (802.11 b/g) versions.

The VPx sensor can be programmed in several different configurations. Each sensor can display two digital and one analog parameter. For example, it could display Temperature and Humidity and Door Status, or Humidity and CO2 and Door Status.

The sensor can be programmed for specific alarm limits so notifications are sent when readings go outside of the set limits. The alarm delays can be programmed as well. For example, if the temperature of a refrigerator is being monitored but it is known that the temperature fluctuates within a 10 degree range due to the door being opened, the sensor can be set to allow for the 10 degree fluctuation.

Measurement types can also be customized, based on the parameter, such as Celsius or Fahrenheit.

The alarm setting can be customized, between visual, audio, both, or none.

The VPx sensor is capable of displaying the diagnostics directly on the unit's LCD screen. Diagnostics include, but are not limited to, HOP count, number of no acknowledgements, last transmission times, and signal strength.

The VPx sensor uses lithium ion batteries and displays a battery counter to inform on battery life.

ViewPoint Monitoring System

Parameter	Application
Temperature	-200 °C to + 250 °C (Type K thermocouple, up to +538 °C)
Humidity	10% to 90% (Temp 10 °C to +40 °C)
CO₂	0% to 20%
O₂	0% to 25% (use 4-20 mA sensor and third-party sensor)
Door Status	Open / Closed Door (analog)
Horizontal Motion	Platelet Incubator
Dry Contact	Normal v. Alarm State (Normally Closed or Open)
DC Voltage	0 to 5 V, 0 to 10 V, 0 to 20 V, 0 to 30 V
4-20 mA	Various sensors with powered 4-20 mA interface
Differential Pressure	-1.0 to + 1.0 inches H₂O / -.25 to +.25 / -.5 to +.52
Particle Count	Utilizes 4-20 mA Sensor Output
Leak Detection	Detect water in critical areas
Third Party Sensor	Various sensors with powered 4-20 mA interface

*Sensors in **bold** require 120 V (US) AC power.

To learn more about how VPx sensors can be incorporated into your Continuous Monitoring program, contact us today!