ViewPoint Specifications			Input Interface				
Parameter/ Description	**Range**	**Accuracy or Specification**	**Analog**	**4-20 mA**	**TC**	**D/C***	**Notes/ Application(s)**
Temperature - RTD	-197°C to +140°C	±0.5°C	✔				LN_2 to Ovens/Heat Blocks
Temperature - Thermocouple	Type J -150°C to +1,200°C*** Type K -150°C to +1,372°C *** Type T -150°C to +400°C *** Type R +100°C to +1,768°C *** Type S +100°C to +1,768°C ***	±2°C ±2.5°C ±1.5°C ±2°C ±2°C			✔		VPC Only. LN2 to High-Temp Blast Furnaces
Humidity	0% to 100%	±1.5%, 0% ≤ %RH ≤ 90%; ±2.5%, %RH > 90%		✔			I²C or 4-20 mA options
DC Voltage	0-5 V, 0-10 V, 0-20 V, 0-30 V		✔				
Dry Contact	Close / Open	N/A				✔	
Third Party Sensors			✔	✔	✔	✔	
Carbon Dioxide (CO_2)	0% to 20%	Accuracy ± 0.5% CO_2, Uncertainty ± 0.25%		✔			
Oxygen (O_2)	0% to 25%	±1% FS, 0.25% O_2		✔			
Differential Pressure	-0.25 to +0.25 in H_20	±0.002 in H_2O		✔			±0.8% FS Accuracy
Particle Count	0.5 - 25 µm particle size	Counting Efficiency: 50% at 0.5 µm; 100% for > 0.75 µm		✔			Particle size detection capability dependent on manufacturer and model number
Horizontal Motion	Stopped / In Motion		✔				0-5 V Platelet Incubator Detection
Leak Detection	No / Yes	Dependent on fluid type				✔	Water detection requires ions
900 MHz VPx - 3.6 Lithium Battery Life	3.6 V	1 year					2 Batteries per VPx transmitter
Wi-Fi VPx - 3.6 Lithium Battery Life	3.6 V	Wi-Fi b/g line powered - battery backup					2 weeks if line power lost
Probe Calibration	ISO 17025, NIST	ilac-MRA ISO 17025**					Annual Calibration Recommended

*D/C - Dry Contact TC - Thermocouple **Refer to Mesa Labs ISO 17025 Certificate of Accreditation
***Max Operating range of probes. Non Type T furnished by customer.

Industries

Hospital/Medical Center • Clinical Laboratory/Blood Bank • Pharmacy/Clean Room • Pharmaceutical/ Food and Nutrition • Organ Donor Center • Warehouse/Distribution Center • GxP Compliant Manufacturing • IVF • Biotech/Life Sciences

Applications

Continuous Monitoring • Safeguarding Assets • Compliance • Quality Assurance • Real-time Alerts• Mapping/Validation

www.mesalabs.com
monitoringsales@mesalabs.com
800.451.1707 or 303.565.2724

MesaLabs

MesaLabs

ViewPoint System

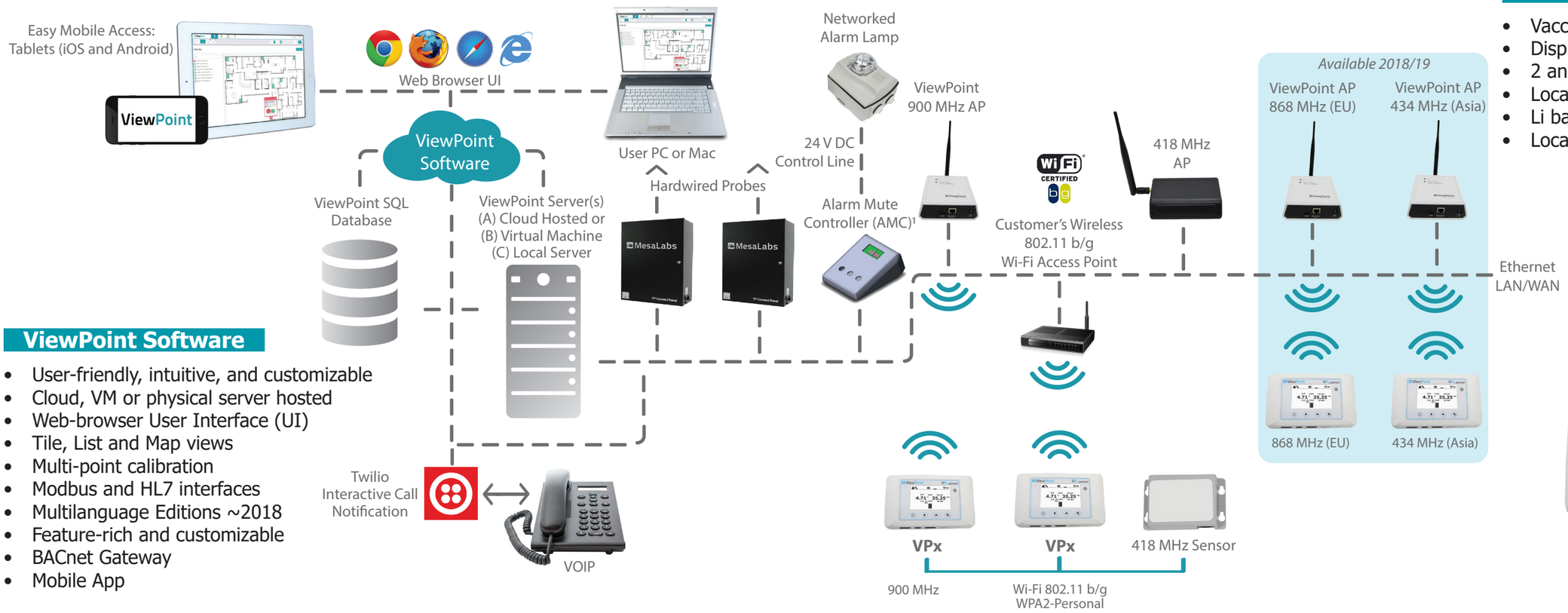
Enterprise Continuous Monitoring Solution

Comprehensive End-to-End Solution
Compliance & Quality Assurance
Reliable, Modular, Scalable, Global Solution

www.mesalabs.com

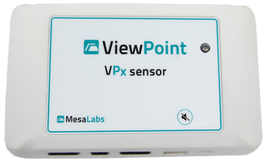
Rev. 18JAN2018

ViewPoint Enterprise Continuous Monitoring

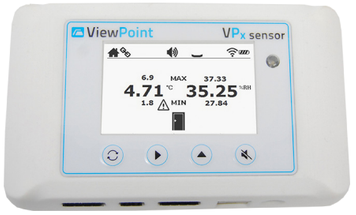


VPx Transmitter - Up Close

- Vaccines for Children (VFC) Compliant
- Displays current readings
- 2 analog and 1 digital input
- Local Audible/Visual Alert
- Li battery or line powered options
- Local mute and clear buttons



Non-LCD Display



LCD Display

ViewPoint Software

- User-friendly, intuitive, and customizable
- Cloud, VM or physical server hosted
- Web-browser User Interface (UI)
- Tile, List and Map views
- Multi-point calibration
- Modbus and HL7 interfaces
- Multilanguage Editions ~2018
- Feature-rich and customizable
- BACnet Gateway
- Mobile App

Hardwired Solution

- Real-time data acquisition
- Modular Input/Output Card Types
- Input Card Types: Analog, RTD, and Thermocouple
- Dry Contact/Relay Output Card
- 14 Days of Data Logged (at 15 min logging rate)

Alarm Notifications

- Email, text message, interactive phone call notifications
- Configurable alarm escalations
- Shift-specific/Holiday schedules
- Local (Audible/Visual) Alarm Lamp
- Optional local mute/reset Control Box

CMVP-SY-1010

¹ AMC - Optional Alarm Lamp Kit accessory available July 2018. Requires conversion of legacy Alarm Lamps to support 24 V DC control line.

Comprehensive & Fully Compliant CM Solution

- Wired and Wireless Options
- -197°C to +1,768°C Temp Range
- ±0.5°C Accuracy RTD
- Temp, Humidity, Dry Contact, Door Open/Close, 4-20 mA, DC Voltage.
- Third-party sensors: CO_2, O_2, Differential Pressure, Particle Count, Air Flow, Motion, Leak Detection.
- 21 CFR Part 11 Compliant
- Audit Log - supports user annotations with electronic signature
- ilac-MRA ISO 17025 Accredited Calibration
- In-field ISO 17025 Calibration Service
- GxP compliant
- Compliant with Joint Commission, CAP, USP 797, AABB, CLIA, HACCP, VFC and other agencies

ilac-MRA

Mesa is an ISO 17025 Certified Calibration Laboratory

VPx Wireless Solution

- Modular Access Point (AP) Architecture
- Highly Scalable
- Local Data Storage Capacity of 4K readings per input channel
- High Uptime/Robust Reliability
- LCD and Non-LCD Versions
- Wi-Fi & 900 MHz Editions
- 868 MHz(EU)/434 MHz(Asia) *Editions available 2018/19*
- Compatible with SpectraLink and Mobile Access
- Signal travels ~100 meters or more unobstructed
- Self-healing network (automatic recovery and backfilled data)