



Primex IAQ Series

Differential Pressure Sensor

Maintaining strict air pressure differentials in specific healthcare environments is essential to the safety of your patients. While positive pressure is required in operating rooms and protective environment rooms to keep contaminants out; negative pressure is needed in isolation rooms and construction/renovation zones to prevent contaminants from spreading throughout the facility. With PrimexIAQ Differential Pressure Monitoring, you'll be able to continuously track and document the pressure in these rooms to ensure the safety of patients and keep your facility in compliance. Highly sensitive sensors capture and log pressure readings, then access the OneVue cloud-based software platform through the existing facility network to store and analyze the data.

A New Level of Assurance

The OneVue Differential Pressure Monitoring solution employs highly sensitive, low-pressure sensors with the ability to detect ultra-low changes in air pressure that could affect patient safety. The sensors require only a minuscule amount of air flow through the unit to detect pressure changes. If pressure does go out of range, visual, audible, email, text and phone alerts can be issued to allow appropriate measures to protect the safety of patients, staff and visitors. Convenient Door Open/Closed switch allows you to easily suspend alerts when the door is propped open during patient transfer, room cleaning or other tasks.

Product Features

- Provides readings in inches of water (inches H₂O) or Pascals (Pa)
- LCD screen with intuitive graphic display shows pressure differential to $\pm .001$ inches H₂O (± 2.0 Pa).
- Full measurement range is $\pm .001$ to 0.500 inches H₂O (± 2.0 to 125 Pa)
- Customizable user span settings help minimize "nuisance" alarms by initiating alerts only when pressure thresholds have been breached for a pre-determined length of time.
- Features an 802.11 b/g Wi-Fi radio or Ethernet port (A120Q-E Model) for easy network communication.
- NIST Traceable sensing element meets compliance standards.
- Includes two 6' (1.82m) lengths of silicone tubing with 1/4" (6.35mm) O.D./1/8" (3.17mm) I.D.
- Standard configuration includes 2 AA lithium battery pack (battery only operation is not recommended when used with the door switch).
- Power-over-Ethernet (PoE) model A120Q-E is also available.
- AC power supply included with A120Q Wi-Fi model; optional purchase for use with A120Q-E PoE model.



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DIFFERENTIAL PRESSURE SENSORS

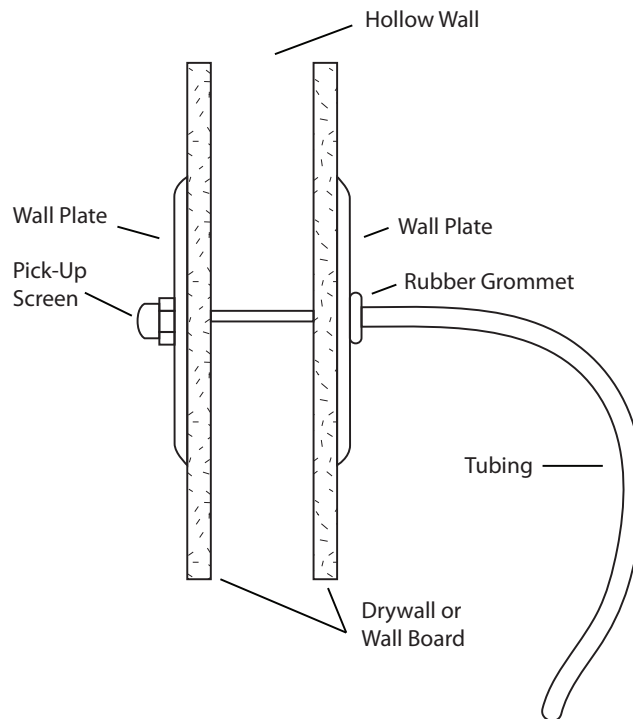
Part No.	Description
A120Q	Wi-Fi Model; Includes S100PWR AC power supply and SNS900 2 AA Battery Pack
A120Q-E	Power over Ethernet Model: Includes SNS900 2 AA Battery Pack
S100PWR	Replacement AC Power Supply
SNS900	Replacement Battery Pack
SNSMSW1	Magnetic Door Switch with 25' (7.6m) cable
SNSDPLT*	Installation Kit

* Installation kit includes:

- Stainless Steel Wall plates (2)
- Tapered nozzle and Screen Pickup Accessory for through-wall installations
- Sealing rubber grommets (2)

SENSOR SPECIFICATIONS

Parameter	Specification
Measurement Type	Differential Pressure (two port)
User-Defined Transmission Rate	4 minutes to 12 hours
Reading Accuracy	$\pm 0.2 \text{ Pa} + 3\%$ of Reading
Accuracy	LCD Resolution: ± 0.001 inches H ₂ O ($\pm 2.0 \text{ Pa}$) Max Reading: ± 0.500 inches H ₂ O ($\pm 125 \text{ Pa}$)
Threshold Alerts	User defined audible and visual
Calibration	Factory calibrated with digital temperature compensation over the ± 0.5 inches H ₂ O range ($\pm 125 \text{ Pa}$ range)
Data Packet Size	Less than 5k
Dimensions	4.7" H x 3.7" W x 1.3" D (11.93cm x 9.39cm x 3.30cm) Port Cover adds 1.6" (4cm) to height of unit.
Housing Material	Acetal or ABS Plastic
Operating Range	32°F to 113°F (0°C to 45°C)
Security Encryption	WEP, WPA, WPA2
Authentication	LEAP, EAP-FAST, PEAP, EAP-TLS
Power	<p>A120Q (Wi-Fi Model):</p> <ul style="list-style-type: none"> Includes: SNS900 Battery Pack or 2 AA Energizer® Ultimate Lithium Batteries Includes: S100PWR AC Power Supply, 300mA @ 5 VDC with 3 ft. (.91m) standard power cable Optional: 6 ft. (1.82m) extended cable available <p>A120Q-E (PoE Model):</p> <ul style="list-style-type: none"> Compliant with IEEE 802.3 af standard Includes: SNS900 Battery Pack or 2 AA Energizer® Ultimate Lithium Batteries Optional: S100PWR AC Power Supply, 300mA @ 5 VDC with 3 ft. (.91m) standard power cable Optional: 6 ft. (1.82m) extended cable available



To Learn More:
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