Universal Manifold II

UNIVERSAL MANIFOLD AND CONTROLLER



he Universal Manifold II and Manifold Controller collect data from up to 32 locations via multiplexed monitoring. The manifold design allows shorter purge times, increasing the number of samples per day. Users view data, configure, and control the system on the Manifold Controller, which can be placed at a convenient location up to 4,000 feet from the Universal Manifold II.

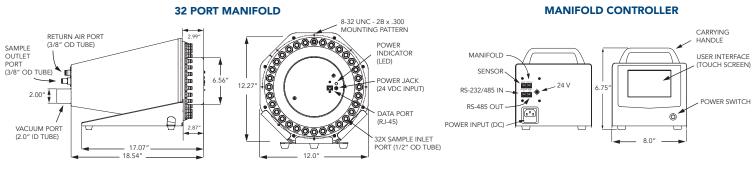
The Universal Manifold II and Manifold Controller interface with Lighthouse particle counters and existing building automation and facility management systems, providing the lowest cost per point on the market.

FEATURES

- Multiplexed monitoring up to 32 locations
- Localized control
- Local display of current and historical data
- Faster purge times equals more samples per day
- Low flow alarm
- 2 Year Warranty

32 PORT MANIFOLD

MANIFOLD CONTROLLER



HNICAL DATASHEET

Universal Manifold and Controller

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32 **Sample Ports**

3 CFM (84.9 LPM) per port (nominal) Flow Rate

< 0.01% **Cross-Port Contamination**

Particle transport tubing 1/2" OD, 3/8" ID (1.25 cm OD, 0.94 cm ID) **Particle Sample Tubing**

Up to 115 feet (35 m) per port Sample Tubing Length

Fittings Provided 32 barbed port fittings, 1/2" (1.25 cm) OD tubing connection

Power 24 VDC

 $21.6"(l) \times 12.0"(w) \times 12.75"(h), [54.86(l) \times 30.48(w) \times 32.38(h) cm]$ **Dimensions**

Weight 16 lbs 6 oz, (7.43 kg)

Manifold Controller

LMS Express RT; LMS Pharma, LMS Pro and most factory automation systems **Compatible Software**

RS-485 / Modbus **Communication Protocol**

 $5.75"(l) \times 8.0"(w) \times 6.75"$ h), [14.61(l) x 20.32(w) x 17.15(h)] **Dimensions**

Weight 4.0 lbs 6 oz, (1.98 kg)

Optional Manifold Blower

Safety Provision Automatic pump shut-off 208, 415 VAC - Three Phase Power

Dimensions 16.7"(I) x 15.0"(w) x 20"(h), [42.42(I) x 38.1(w) x 50.8(h) cm]

75 lbs, (34 kg) Weight

Environmental Conditions

50°F to 104°F (10°C to 40°C) / 20% to 95% non-condensing Operating $14^{\circ}F$ to $122^{\circ}F$ (- $10^{\circ}C$ to $50^{\circ}C$) / Up to 98% non-condensing Storage

Optional Printed operating manual; manifold vacuum blower, isokinetic sample probes; sample tubing; data cable, air flow balancing unit; 2 Inch reinforced vacuum tubing.

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