



LIGHTHOUSE
WORLDWIDE SOLUTIONS



UM-II and CONTROLLER

The Lighthouse **UM-II and CONTROLLER** are the most affordable solution in the market to monitor large areas for particulate contamination.

The **UM-II and CONTROLLER** collect data from up to 32 locations via multiplexed monitoring. Lighthouse's manifold design allows shorter purge times, increasing the number of samples per day. Users configure and control the system and can view sampling data on the Manifold Controller. The Controller can be placed up to 4,000 feet from the Manifold to allow control and viewing of data from a more convenient location. The **UM-II and CONTROLLER** perform user programmable data sampling and will alarm should a low-flow condition occur.

The **UM-II and CONTROLLER** interface with Lighthouse particle counters and existing building automation and facility management systems, providing the lowest cost per point on the market.

**Designed and built by
Lighthouse - a name you can trust.**

Lighthouse is an ISO 9001:2000 Registered Company

www.golighthouse.com

Features:

- ★ Multiplexed Monitoring of Up to 32 Locations
- ★ Color LCD Display
- ★ Localized Control
- ★ User Programmable Sampling
- ★ Localized Data Viewing (Current and Historical)
- ★ Low Flow Alarm
- ★ Reduced Purge Times
- ★ RS-485 MODBUS
- ★ Stainless Steel Construction
- ★ Building Automation
- ★ Facility Management Systems Interface

Benefits:

- ★ 2 Year Warranty
- ★ Cost Effective Price per Point
- ★ Easy System Integration
- ★ International Support
- ★ Low Cost of Ownership

Applications:

- ★ Cleanroom Monitoring
- ★ Facility Monitoring
- ★ SMIF and FIMS Enclosure Monitoring
- ★ Cleanroom Performance Verification
- ★ Large Area Monitoring
- ★ Trend Analysis
- ★ Cleanroom Laundries
- ★ Cleanroom Packaging
- ★ Semiconductor
- ★ Aerospace
- ★ Hard Disk Drive Manufacturing
- ★ Pharmaceutical Packaging and Manufacturing



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Specifications:

Manifold:

Sample Ports:	32
Flow Rate:	3 CFM (84.9 LPM) per port (nominal)
Cross-Port Contamination:	<0.01%
Particle Sample Tubing:	Particle transport tubing 1/2" OD, 3/8" ID (1.25 cm OD, 0.94 cm ID)
Sample Tubing Length:	Up to 115 feet (35 m) per port
Fittings Provided:	32 Barbed Port Fittings, 1/2" (1.25 cm) OD tubing connection
Power:	24 VDC
Dimensions:	21.6" (l) x 12" (w) x 12.75" (h)
Weight:	16 lbs 6 oz

Manifold Controller:

Compatible Software:	<i>Lighthouse Monitoring System; LMS Express, Express RT and RT+ software; communicates with most other manufacturers' Building Automation Systems and Factory Automation Systems</i>
Communications Protocol:	RS-485/MODBUS
Dimensions:	5.75" (l) x 8" (w) x 6.75" (h)
Weight:	4 lbs 6 oz

Optional Manifold Blower:

Safety Provision:	Automatic pump shut-off
Power:	208, 415 VAC - Three Phase
Dimensions:	15" (w) x 20" (h) x 16.7" (l) [47 x 38 x 51 cm]
Weight:	75 lb (34 kg)

Environmental Conditions:

Operating:	50°F to 104°F (10°C to 40°C) / 20% to 95% non-condensing
Storage:	14°F to 122°F (-10°C to 50°C) / Up to 98% non-condensing

Accessories:

Included:	Operating Manual on CD; Fuses
Optional:	Printed Operating Manual; Manifold Vacuum Blower; Isokinetic Sample Probes; Sample Tubing; Data Cable; Air Flow Balancing Unit; 2-inch Reinforced Vacuum Tubing

Manufactured by:

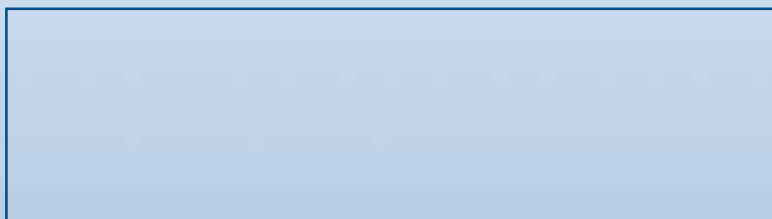


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Lighthouse Worldwide Solutions reserves the right to change specifications without notice.
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