

ApexRemote

AIRBORNE PARTICLE COUNTERS




Apex represents everything that is important in a world class Environmental Monitoring System. It is the Best In Class sensor and meets all the industry standards. The Risk Mitigation features of Self-Diagnostics and SmartBracket virtually eliminate data errors.

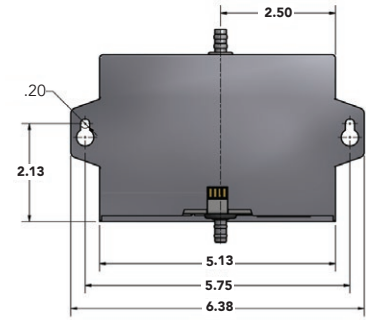
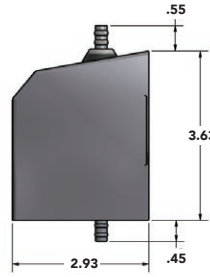
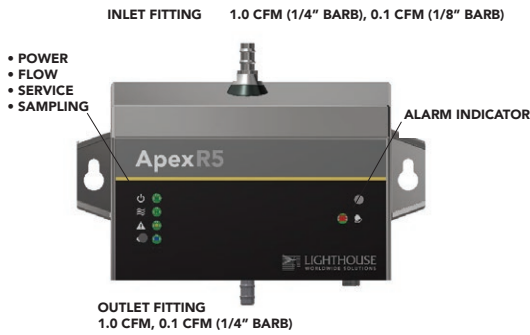
Providing real time continuous data collection at a cost effective price per point offering unmatched performance.

F E A T U R E S

- 0.2 - 10.0 μ m Particle Size Channels
- 1.0 CFM or 0.1 CFM Flow Rates Available
- VHP Compatible Sensor and Housing
- 3,000 Onboard Data Record Storage
- Self- Diagnostics
- Web Functionality to Monitor Data
- Smart Bracket
- Customizable Data Reports
- Built-In Status and Alarm Lights
- 2 Year Warranty



 Learn More



TECHNICAL DATASHEET

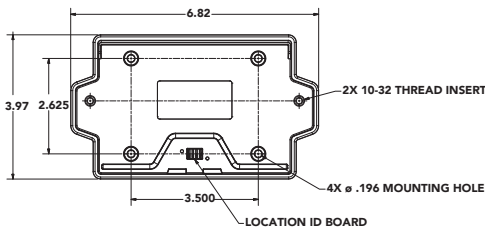
Apex Remote Airborne Particle Counters

Features / Models	ApexR5	ApexR02	ApexR03	ApexR05
Minimum Size Detection	0.5 μm	0.2 μm	0.3 μm	0.5 μm
Standard 2 channel sizes	0.5, 5.0 μm	0.2, 0.3 μm	0.3, 0.5 μm	0.5, 5.0 μm
Optional 4 channel sizes	0.5, 1.0, 5.0, 10.0 μm	0.2, 0.3, 0.5, 1.0 μm	0.3, 0.5, 1.0, 5.0 μm	0.5, 1.0, 5.0, 10.0 μm
Additional Available sizes	0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0 μm	0.2, 0.3, 0.5, 0.7, 1.0, 2.0 μm	0.3, 0.5, 0.7, 1.0, 3.0, 5.0 μm	0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0 μm
Flow Rate / Nozzle Size	1 CFM (28.3 LPM), 1/4" fittings	0.1 CFM (2.83 LPM), 1/8" inlet, 1/4" outlet fitting		
Weight	1.6 lbs (0.73 kg)	1.4 lbs (0.63 kg)		
Concentration Limits	1,000,000 Particles/ft ³ @10% (34,300,000/m ³) coincidence loss	4,000,000 Particles/ft ³ @10% (137,200,000/m ³) Coincidence loss suitable for ISO classes 1-8 cleanrooms		
Communication	Ethernet or Serial.			
Modbus Protocols	TCP or RTU or ASCII			
Data Storage Records	3,000			
Self Diagnostics	Laser power supply, laser current, laser power, photo detector power supply, background voltage, photo detector health.			
Web Server	Remote access via web browser			
Validation Mode	Yes			
Alarm Light	Yes			
Enclosure	304 Stainless Steel			
Power	24 VDC, PoE			
External Vacuum Requirements	Nominal 1.0 CFM 18" (45.72 cm) of Hg			
Light Source	Extreme Life Laser Diode			
Calibration	ISO 21501-4 Compliant and Accredited ISO 17025			
Zero Count Level	< 1 Count / 5 minutes (meets specifications of JIS B 9921 and reporting requirements of ISO 21501-4 Annex C)			
Dimensions	6.38" x 2.93" x 4.63" (16.2 x 7.4 x 11.7 cm)			

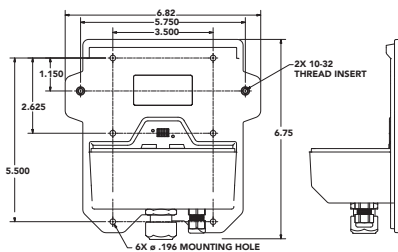
Options Available for all Models

Software LMS Express or LMS Pharma

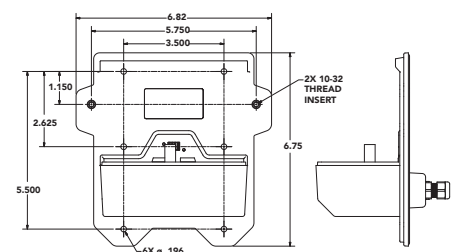
Smart Bracket Wall Mount Flush



Smart Bracket Wall Mount Through Base



Smart Bracket Wall Mount Through Wall



Distributed By:



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