

# ApexRemote

AIRBORNE PARTICLE COUNTERS



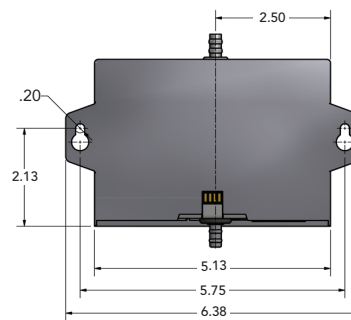
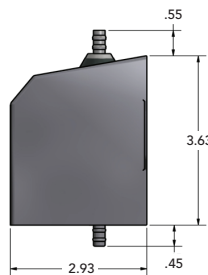
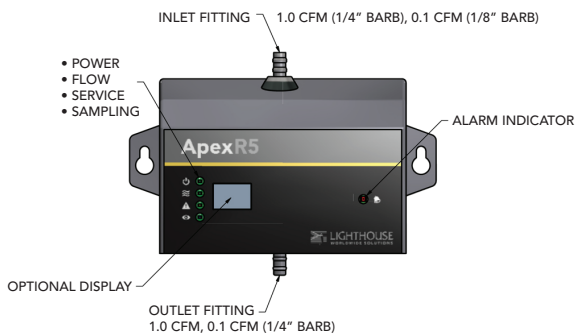
Apex represents everything that is important in a world class Environmental Monitoring System. It is the Best In Class sensor and meets all the industry standards. The Risk Mitigation features of Self-Diagnostics and SmartBracket virtually eliminate data errors.

Apex provides real time continuous data collection at a cost effective price per point offering unmatched performance, accuracy and reliability.

Apex provides all this in an enclosure that is compatible with industry standard decontamination processes.

## FEATURES

- 0.2 – 10.0  $\mu\text{m}$  Particle Size Range.
- 1.0 CFM or 0.1 CFM Flow Rates.
- 3,000 Records Data Storage.
- Self-Diagnostics.
- Web Browser.
- Smart Bracket.
- Validation Mode.
- Built in Alarm Light.
- 2 year warranty.



## TECHNICAL DATASHEET

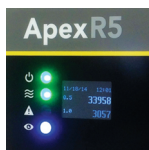
### Apex Remote Airborne Particle Counters

Features / Models	ApexR3	ApexR5	ApexR02	ApexR03	ApexR05
<b>Minimum Size Detection</b>	0.3 $\mu\text{m}$	0.5 $\mu\text{m}$	0.2 $\mu\text{m}$	0.3 $\mu\text{m}$	0.5 $\mu\text{m}$
<b>Standard 2 channel sizes</b>	0.3, 0.5 $\mu\text{m}$	0.5, 5.0 $\mu\text{m}$	0.2, 0.3 $\mu\text{m}$	0.3, 0.5 $\mu\text{m}$	0.5, 5.0 $\mu\text{m}$
<b>Optional 4 channel sizes</b>	0.3, 0.5, 1.0, 5.0 $\mu\text{m}$	0.5, 1.0, 5.0, 10.0 $\mu\text{m}$	0.2, 0.3, 0.5, 1.0 $\mu\text{m}$	0.3, 0.5, 1.0, 5.0 $\mu\text{m}$	0.5, 1.0, 5.0, 10.0 $\mu\text{m}$
<b>Additional Available sizes</b>	0.3, 0.5, 0.7, 1.0, 3.0, 5.0 $\mu\text{m}$	0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0 $\mu\text{m}$	0.2, 0.3, 0.5, 0.7, 1.0, 2.0 $\mu\text{m}$	0.3, 0.5, 0.7, 1.0, 3.0, 5.0 $\mu\text{m}$	0.5, 0.7, 1.0, 3.0, 5.0, 7.0, 10.0 $\mu\text{m}$
<b>Flow Rate / Nozzle Size</b>	1 CFM (28.3 LPM), 1/4" inlet and outlet fitting		0.1 CFM (2.83 LPM), 1/8" inlet, 1/4" outlet fitting		
<b>Weight</b>	1.6 lbs (0.73 kg)		1.4 lbs (0.63 kg)		
<b>Communication</b>	Ethernet or Serial.				
<b>Modbus Protocols</b>	TCP or RTU or ASCII				
<b>Data Storage Records</b>	3,000				
<b>Self Diagnostics</b>	Laser power supply, laser current, laser power, photo detector power supply, background voltage, photo detector health.				
<b>Web Server</b>	Remote access via web browser				
<b>Validation Mode</b>	Yes				
<b>Alarm Light</b>	Yes				
<b>Enclosure</b>	304 Stainless Steel				
<b>Power</b>	24 VDC, PoE				
<b>External Vacuum Requirements</b>	Nominal 1.0 CFM 18" (45.72 cm) of Hg				
<b>Light Source</b>	Laser Diode				
<b>Calibration</b>	Designed for ISO 21501-4 Compliance				
<b>Zero Count Level</b>	<1 count/5 minutes per ISO 21501-4				
<b>Concentration Limits 1.0 CFM</b>	1,000,000 particles/ft <sup>3</sup> @10% (34,300,000/m <sup>3</sup> ) coincidence loss suitable for ISO classes 1-8 cleanrooms				
<b>Concentration Limits 0.1 CFM</b>	4,000,000 particles/ft <sup>3</sup> @10% (137,200,000/m <sup>3</sup> ) coincidence loss suitable for ISO classes 1-8 cleanrooms				
<b>Counting Efficiency</b>	50% @ minimum channel size, 100% for particles >1.5 X - 2X channel particle size				
<b>Dimensions</b>	6.38" x 2.93" x 4.63" (16.2 x 7.4 x 11.7 cm)				

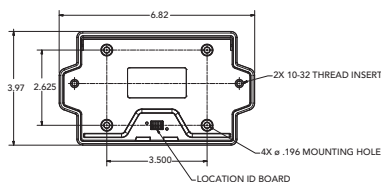
#### Options Available for all Models

**Software** LMS Express or LMS Express RT or LMS Pharma

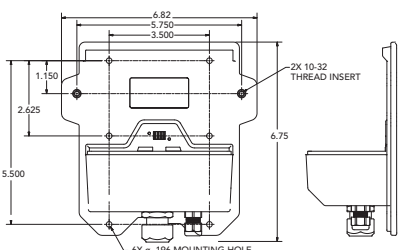
**OLED Display**



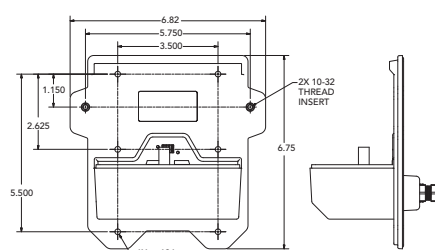
**Smart Bracket Wall Mount Flush**



**Smart Bracket Wall Mount Through Base**



**Smart Bracket Wall Mount Through Wall**



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