Apex Remote

A I R B O R N E   P A R T I C L E   C O U N T E R S
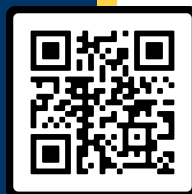
Apex R5

LIGHTHOUSE
WORLDWIDE SOLUTIONS

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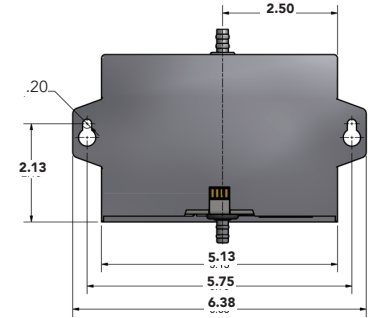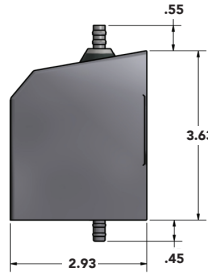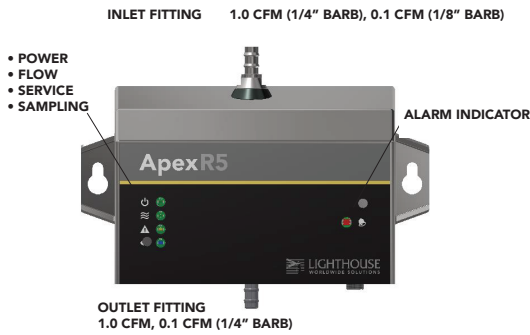
Providing real time continuous data collection at a cost effective price per point offering unmatched performance, accuracy and reliability.

F E A T U R E S

- 0.2 - 10.0µm 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
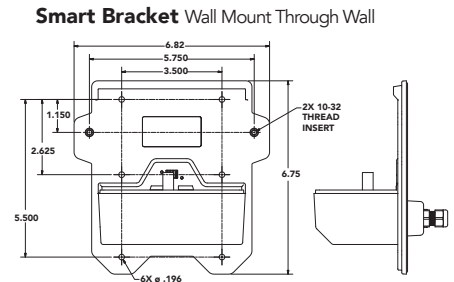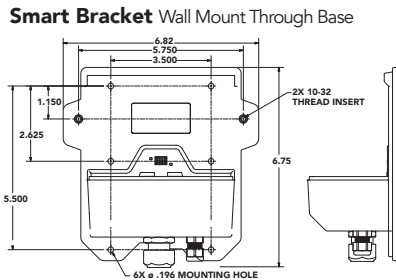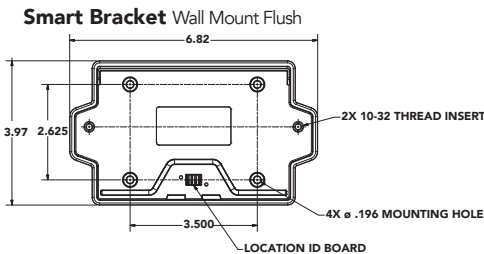- 2 Year Warranty

Learn More

LIGHTHOUSE
WORLDWIDE SOLUTIONS

INLET FITTING   1.0 CFM (1/4" BARB), 0.1 CFM (1/8" BARB)

- POWER
- FLOW
- SERVICE
- SAMPLING

ApexR5

ALARM INDICATOR

OUTLET FITTING
1.0 CFM, 0.1 CFM (1/4" BARB)

.55
3.63
2.93   .45

2.50
.20
2.13
5.13
5.75
6.38

T E C H N I C A L   D A T A S H E E T

Apex Remote Airborne Particle Counters

Features / Models	ApexR3	ApexR5	ApexR02	ApexR03	ApexR05
Minimum Size Detection	0.3 µm	0.5 µm	0.2 µm	0.3 µm	0.5 µm
Standard 2 channel sizes	0.3, 0.5 µm	0.5, 5.0 µm	0.2, 0.3 µm	0.3, 0.5 µm	0.5, 5.0 µm
Optional 4 channel sizes	0.3, 0.5, 1.0, 5.0 µm	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	0.7, 3.0 10.0 µm	0.7, 3.0, 7.0 µm	0.7, 2.0 µm	0.7, 3.0 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/ft3@10% coincidence loss		4,000,000 Particles/ft3@10% (137,200,000/m3)		
	Suitable for ISO classes 1-8 cleanrooms		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)				
Software	LMS Pro or LMS Xchange				

Smart Bracket Wall Mount Flush

6.82
3.97   2.625
2X 10-32 THREAD INSERT
3.500
4X ø .196 MOUNTING HOLE
LOCATION ID BOARD

Smart Bracket Wall Mount Through Base

6.82
5.750
3.500
1.150
2.625
2X 10-32 THREAD INSERT
5.500
6.75
6X ø .196 MOUNTING HOLE

Smart Bracket Wall Mount Through Wall

6.82
5.750
3.500
1.150
2.625
2X 10-32 THREAD INSERT
5.500
6.75
6X ø .196

Distributed By:

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MADE IN USA

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