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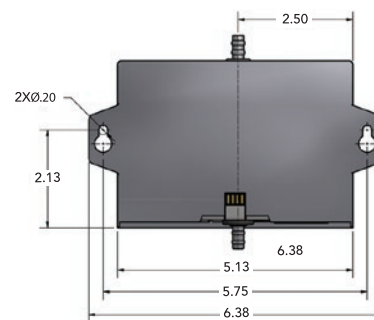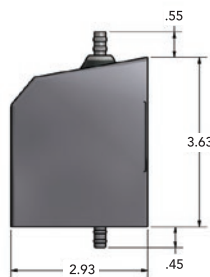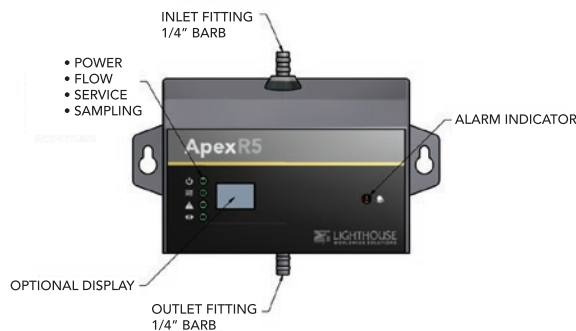
Apex provides all this in an enclosure that is compatible with industry standard decontamination processes.

FEATURES

- 0.2 – 10.0 µm 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

LIGHTHOUSE
WORLDWIDE SOLUTIONS

INLET FITTING
1/4" BARB

• POWER
• FLOW
• SERVICE
• SAMPLING

ApexR5

ALARM INDICATOR

OPTIONAL DISPLAY

OUTLET FITTING
1/4" BARB

.55
3.63
2.93
.45

2.50
2XØ.20
2.13
6.38
5.13
5.75
6.38

Apex Remote Airborne Particle Counters

Features	R3	R5	R02	R03	R05
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	0.3, 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	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	1 CFM (28.3 LPM)	0.1 CFM (2.83 LPM)
Weight	1.6 lbs (0.73 kg)	1.4 lbs (0.63 kg)

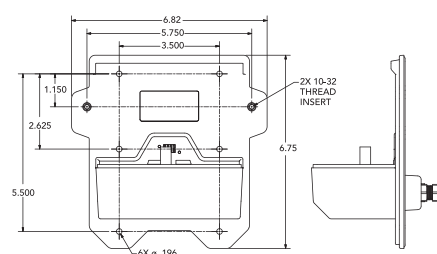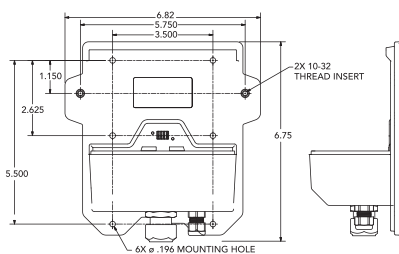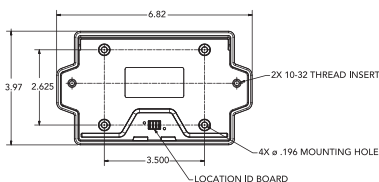|	
Communication	Ethernet or Serial
Modbus Protocols	TCP or RTU or ASCII
Data Storage Records	3,000
Self Diagnostics	Yes
Web Browser	Yes
Validation Mode	Yes
Alarm Light	Yes
Enclosure	304 Stainless Steel
Power	24 VDC, PoE
External Vacuum Requirements	Nominal 1.0 CFM 18" (45.72 cm) of Hg
Light Source	Laser Diode
Calibration	Designed for ISO 21501-4 Compliance
Zero Count Level	<1 count/5 minutes per ISO 21501-4
Concentration Limits	500,000 particles/ft3 (17,150,000/m3) @ 5% coincidence loss suitable for ISO classes 1-8 cleanrooms
Counting Efficiency	50% @ minimum channel size, 100% for particles >1.5X - 2X channel 1 particle size
Dimensions	6.38" x 2.93" x 4.63" (16.2 x 7.4 x 11.7 cm)

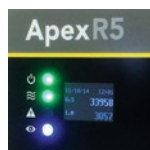## Options Available for all Models

Software LMS Express or LMS Express RT or LMS Pharma

OLED Display

ApexR5

SmartBracket Wall Mount Flush

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

SmartBracket Wall Mount Through Base

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

SmartBracket Wall Mount Through Wall

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