akribis

DATASHEET

ApexR remote particle counters

Lighthouse

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ApexRemote

AIRBORNE PARTICLE COUNTER

ApexR embodies the key qualities of a world-class Environmental Monitoring System, raising the bar with its advanced technology and reliable performance

As a best-in-class sensor, it not only meets all relevant industry standards but also incorporates advanced risk mitigation features such as self-diagnostics and SmartBracket. These innovations work together to virtually eliminate data errors, ensuring the integrity of your measurements.

ApexR provides real-time continuous data collection at a cost-effective price per point, ensuring unmatched performance, accuracy, and reliability for all your environmental monitoring needs.

Features

- 0.2 - 10.0µm Particle Size Channels
- 1.0 CFM or 0.1 CFM Available Flow Rates
- 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



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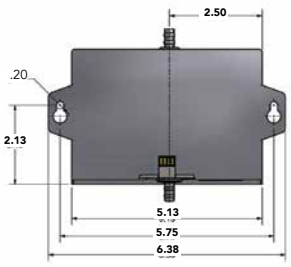
DOCUMENT VERSION 2.0.1

ApexRemote

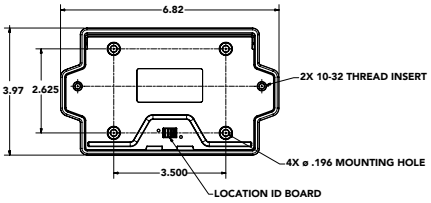
AIRBORNE PARTICLE COUNTER



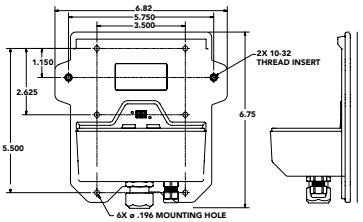




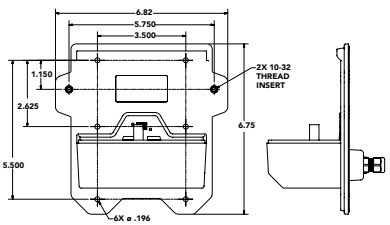
Smart Bracket Wall Mount Flush



Smart Bracket Wall Mount Through Base



Smart Bracket Wall Mount ThroughWall



	ApexR3	ApexR5	ApexR02	ApexR03	ApexR05
Minimum Size Detection	0.3µm	0.5µm	0.2µm	0.3µm	0.5µm
Standard 2 Channel Sizes	0.3µm | 0.5µm	0.5µm | 5.0µm	0.2µm | 0.3µm	0.3µm | 0.5µm	0.5µm | 5.0µm
Opt 4 Channel Sizes	0.3µm | 0.5µm 1.0µm | 5.0µm	0.5µm | 1.0µm 5.0µm | 10.0µm	0.2µm | 0.3µm 0.5µm | 1.0µm	0.3µm | 0.5µm 1.0µm | 5.0µm	0.5µm | 1.0µm 5.0µm | 10.0µm
Additional Avail Sizes	0.7µm | 3.0µm | 10.0µm	0.7µm | 3.0µm | 7.0µm	0.7µm | 2.0µm	0.7µm | 3.0µm	0.5µm | 0.7µm | 1.0µm | 3.0µm | 5.0µm | 7.0µm | 10.0µm
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	1M Particles/ft³@10% coincidence loss suitable for ISO classes 1-8 cleanrooms		4,000,000 Particles/ft³@10% (137,200,000/m³) 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 & 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

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