akribis

DATASHEET

ApexRp remote particle counters with pump

Lighthouse

Distributed by AKRIBIS



ApexRp

AIRBORNE PARTICLE COUNTER

If the integrity of your data is mission critical as it is in GMP regulated industries, the **ApexRp** will delight you! Real-time continuous data collection at a cost effective price point.

LWS' Apex Remote with Pump models are available with either 0.1 CFM or 1.0 CFM airflow rates, giving you flexibility to match your sampling needs. Each model's self contained vacuum pump then routes air through a HEPA filtered exhaust, so your monitoring does not contaminate the surrounding environment.

ApexRp provides real time, continuous data collection at a cost effective price per point, making large monitoring grids practical instead of expensive one offs. Taken together, these capabilities represent everything that matters in a world class Environmental Monitoring System, delivering a best in class sensor that meets all current industry standards.

Features

- 0.2 - 100.0µm 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
- Built-in vacuum pump with HEPA
- Customizable Data Reports
- Built-In Status and Alarm Lights
- 2 Year Warranty



golighthouse.com
info@golighthouse.com

LIGHTHOUSE® WORLDWIDE SOLUTIONS

(Toll-free) 1 800 945 5905
(International) +1 541 770 5905

AKRIBIS www.akribis.info armin.ro@akribis.info

©2026 Lighthouse Worldwide Solutions. All rights reserved. Lighthouse Worldwide Solutions (LWS) is based in White City, Oregon, USA with offices and service centers worldwide. LWS reserves the right to change specifications without notice. For more information, visit **golighthouse.com**.

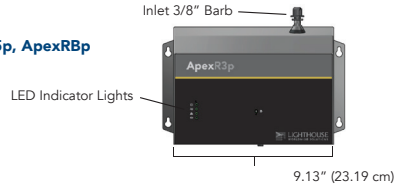
DSARP0226

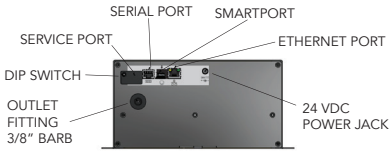
ApexRp

AIRBORNE PARTICLE COUNTER

1.0 CFM

ApexR3p, ApexR5p, ApexRBp



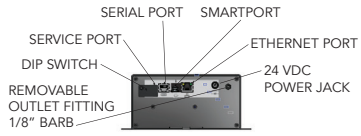


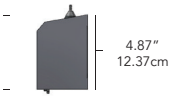


0.1 CFM

ApexR02p, ApexR03p, ApexR05p







	ApexR3p	ApexR5p	ApexRBp	ApexR02p	ApexR03p	ApexR05p
Minimum Size Detection	0.3 µm	0.5 µm	5.0 µm	0.2 µm	0.3 µm	0.5 µm
Standard 2 Channel sizes	0.3, 0.5 µm	0.5, 5.0 µm	N/A	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	5.0, 10.0, 50.0, 100.0 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 sizes	0.7, 3.0 µm	0.7, 3.0 µm	20.0, 25.0, 30.0 , 40.0 µm	0.7, 2.0 µm	0.7, 3.0 µm	0.7, 3.0 µm
Flow Rate / Nozzle Size	1 CFM (28.3 LPM), 3/8" inlet			0.1 CFM (2.83 LPM), 1/8" inlet		
Weight	6.3 lbs (2.9 kg)			3.1 lbs (1.4 kg)		
Concentration Limits	1,000,000 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 cleanroom		
Dimensions	6.65"(h) x 9.13"(w) x 4.75"(d) [16.89 x 23.19 x 12.06 cm]			4.87"(h) x 6.50"(w) x 3.26"(d) [12.37 x 16.51 x 8.28 cm]		

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	316L Stainless Steel
Power	24 VDC 120W (ApexR3p, ApexR5p, ApexRBp), 24 VDC 25W (ApexR02p, ApexR03p, ApexR05p)
Internal Vacuum Pump	1.0 CFM (ApexR3p, ApexR5p ApexRBp), 0.1 CFM (ApexR02p, ApexR03p, ApexR05p) with HEPA Filtered Exhaust
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)
Software	LMS Pro or LMS Xchange
Operating Temperature	RH 50° F to 104° F (10° C to 40° C) / 20% to 95% non-condensing
Storage Temperature	RH 14° F to 122° F (-10° C to 50° C) / Up to 98% non-condensing

Includes: Power adapter and power cord, Operators Manual on USB flash drive, Calibration Certificate

Optional: Temperature & humidity probe, Wall Bracket, Smart Bracket, Isokinetic sample probe, Printed operators manual

MADE IN USA

Scan to Learn More

Distributed by: