DATASHEET

Remote particle counters (1100LD, 1104LD, 5104V)

Lighthouse

Distributed by AKRIBIS



TECHNICAL DATASHEET

Remote

AIRBORNE PARTICLE COUNTERS



Incorporating the latest laser optical particle counting technology, the Remote line provides continuous real-time data collection at a cost-effective price per point.

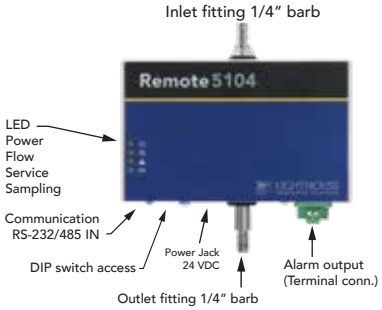
Using an external vacuum source, these compact particle counters provide versatile mounting options and can be installed where space is at a premium. The Remote line will integrate seamlessly into large facility monitoring and management systems.

FEATURES

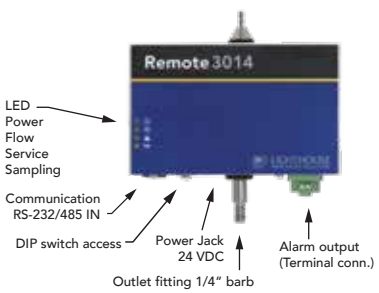
- 0.2 - 25.0µm Particle Size Channels
- 1.0 CFM or 0.1 CFM Flow Rates Available
- 2 or 4 Channels for Simultaneous Data
- External Alarm Outputs
- Built-In Status and Alarm Lights
- Stainless steel enclosure
- Versatile mounting options
- 2 Year Warranty

Learn More

1.0 CFM
Inlet fitting 1/4" barb



0.1 CFM
Inlet fitting 1/8" barb



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Remote Airborne Particle Counters

Features / Models	R5104	R2014	R3014	R5014
Minimum Size Detection	0.5 µm	0.2 µm	0.3 µm	0.5 µm
Standard 2 channel sizes	0.5, 5.0 µm	0.2, 0.3 µm	0.3, 0.5 µm	0.5, 5.0 µm
Optional 4 channel sizes	0.5, 1.0, 5.0, 10.0µm	0.2, 0.3, 0.5, 1.0µm	0.3, 0.5, 1.0, 5.0µm	0.5, 1.0, 5.0, 10.0 µm
Additional Available sizes	0.7, 2.0, 2.5, 3.0, 15.0, 20.0, 25.0µm	0.25, 0.7, 2.0µm	0.7, 2.0, 2.5, 3.0, 15.0, 20.0, 25.0µm	0.7, 2.0, 2.5, 3.0, 15.0, 20.0, 25.0µm
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	0.97 lbs (0.35 kg)	0.97 lbs (0.35 kg)		
Concentration Limits	1,000,000 Particles/ft3@10% Coincidence loss suitable for ISO classes 1-8 cleanrooms	4,000,000 Particles/ft3@10% Coincidence loss suitable for ISO classes 1-8 cleanrooms		
Communication	Serial - 485 Modbus RJ45			
Modbus Protocols	Serial or ASCII			
Data Storage Records	2,300			
Self Diagnostics	laser current, background voltage			
Alarm Light	Yes			
Enclosure	304 Stainless Steel			
Power	24 VDC			
External Vacuum Requirements	Nominal 1.0 and 0.1 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	1.7" x 4.2" x 3" (4.3 x 10.7 x 7.6 cm)			
Software	LMS Express, LMS Pharma, LMS Pro and LMS Xchange			

Includes 24 VDC power adapter and power cord, Calibration Certificate

Optional Temperature & humidity probe, 1 CFM isokinetic sample probe, 0.1 CFM isokinetic sample probe, Beveline tubing, printed operators manual, Purge Filter

Distributed By:

MADE IN USA

Lighthouse Worldwide Solutions reserves the right to change specifications without notice.

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