DATASHEET

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

Lighthouse

Distributed by AKRIBIS



Remote 5104V

AIRBORNE PARTICLE COUNTER

Remote 5104V was designed to operate in CLASS 1 DIV 2 hazardous environments found in many challenging applications, and is compatible with VHP.

The Remote 5104V uses a critical orifice and external vacuum source for flow control. Built-in flow monitoring assures accuracy and reliability of the sensor's performance.

With a sensitivity of 0.5 µm and 1.0 CFM flow rate, the Remote 5104V provides real-time continuous data collection at a cost-effective price per point and integrates seamlessly with facility monitoring and building management systems.

Features

- Class I Division 2 Rating
- 0.5- 5.0 µm (optional channels up to 25 µm)
- 1.0 CFM (28.3 LPM) flow rate
- Up to 4 channels of simultaneous count data
- Real-time continuous monitoring
- 316L stainless steel, wash down splash tight enclosure
- Status indicators for power, flow, service, sampling
- RS-485 Modbus communication
- Interfaces to facility monitoring systems
- Uses external vacuum source
- 2 Year Warranty



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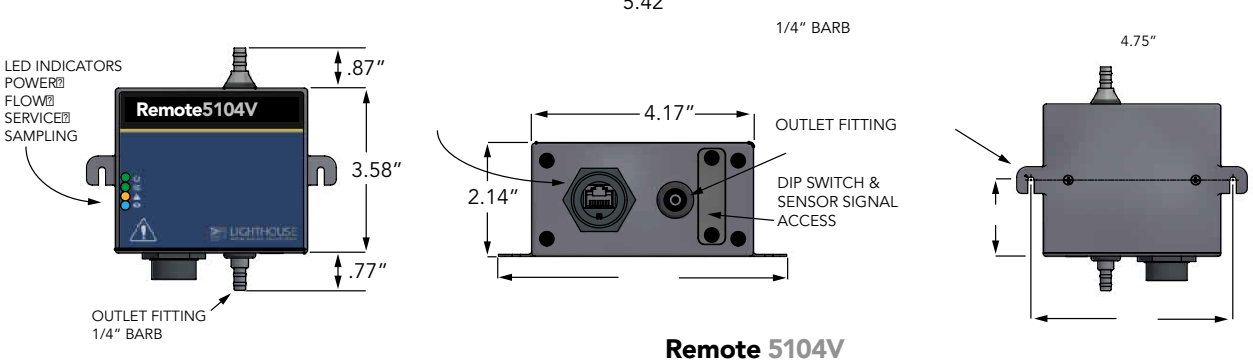
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DOCUMENT VERSION 2.0.0

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AIRBORNE PARTICLE COUNTER



Remote 5104V

Size Range	0.5 - 25.0 µm
Standard 2 Channels	0.5, 5.0 µm; (0.5, 1.0, 5.0, 25.0 µm)
Flow Rate	1.0 CFM (2.83 LPM)
Laser Source	Laser Diode
Zero Count Level	< 1 Count / 5 minutes (meets specifications of JIS B 9921 & reporting requirements of ISO 21501-4 Annex C)
Concentration Limits	1,000,000 Particles/ft3@10% Coincidence loss suitable for ISO classes 1-8 cleanrooms
Data Storage	2,300
Calibration	ISO 21501-4 Compliant and Accredited ISO 17025
External Vacuum Re-quirements	18" (45.72 cm) of Hg
Air Flow	Internally monitored
Communication Modes	Serial - 485 Modbus RJ45
LED Indicators	Power, flow, service, sampling
Connector	Industrial RJ-45
Enclosure	316L Stainless steel, wash down resistant, splash tight
Power	24 VDC
Dimensions	5.42" (l) x 2.14" (w) x 3.58" (h), [13.76 cm (l) x 5.43 cm (w) x 9.09 cm (h)]
Weight	15.6 oz (0.44 kg)
Supporting Software	LMS Express, LMS Pharma, LMS Pro, LMS XChange

Includes: 24 VDC power adapter and power cord, Calibration Certificate

Optional: Temperature & humidity probe, 1 CFM isokinetic sample probe, Beveline tubing, printed operators manual, purge filter

MADE IN USA

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