

Remote 1104LD

AIRBORNE PARTICLE COUNTER

Remote 1104LD is an industry first laser diode based remote particle counter with a sensitivity of 0.1 μm at a high flow rate of 1.0 CFM (28.3 LPM).

Remote 1104LD boasts an optics and photodiode system designed to reduce or eliminate the temperature issues associated with high power laser diode sensors.

Designed with reliability and quality in mind, the Remote 1104LD provides higher concentration limits, a better signal to noise ratio and requires less routine maintenance than conventional HeNe laser-based particle counters.

Features

- 0.1 - 1.0 μm sensitivity
- 1.0 CFM (28.3 LPM) flow rate
- Up to 8 channels of simultaneous count data
- Worlds smallest 1.0 CFM 0.10 μm particle counter
- Meets ISO 21501-4 standards
- Long life laser diode
- Status indicators; power, flow, service, sampling
- RS-485 Modbus or CEMS communication
- Stainless steel enclosure
- Interfaces to facility monitoring systems
- Designed to ensure 21 CFR Part 11 compliance
- 2 year warranty



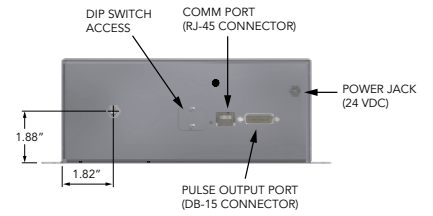
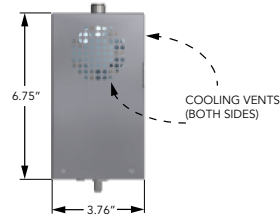
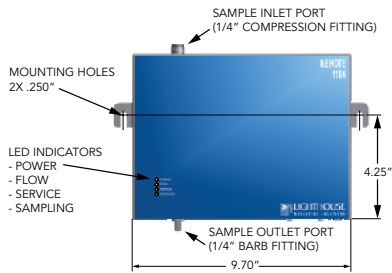
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 **LIGHTHOUSE**
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Minimum Size Range	0.1 μm
Standard 8 Channels	0.1, 0.15, 0.2, 0.25, 0.3, 0.5, 0.7, 1.0 μm
Communication Mode	Serial - 485 Modbus RJ45
Modbus Protocols	Serial or ASCII
Flow Rate / Nozzle Size	1 CFM (28.3 LPM), 1/4" fittings
Concentration Limits	1,000,000 Particles/ft ³ @10% Coincidence loss suitable for ISO classes 1-8 cleanrooms
Data Storage Records	999
Self Diagnostics	Laser current, background voltage
Alarm Light	Yes
Enclosure	304 Stainless Steel
Power	24 VDC
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	10.5" (w) x 7.65" (h) x 3.35" (d); [26.67 x 19.43 x 8.51 cm]
Software	LMS Express, LMS Pharma, LMS Pro and LMS Xchange

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

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

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