DATASHEET

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

Lighthouse

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Remote1104

Airborne Particle Counter

Remote1104™ the first-ever laser diode based remote particle counter, giving you 0.1µm sensitivity at a high flow rate of 1.0 CFM (28.3 LPM).

Remote1104 uses an advanced optics and photodiode system that reduces or eliminates the temperature issues common with high power laser diode sensors, so your monitoring stays accurate and consistent, even in demanding environments.

Built for reliability & quality, **Remote**1104 delivers higher concentration limits and a better signal-to-noise ratio than conventional HeNe laser-based particle counters. With far less routine maintenance required, your team spends less time servicing equipment and more time focused on what matters most, keeping your cleanroom running smoothly.

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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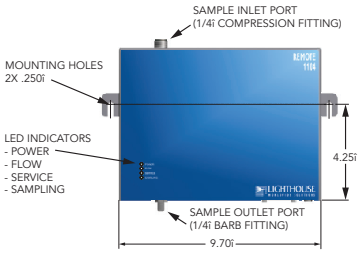
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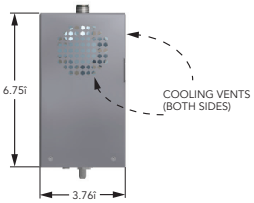
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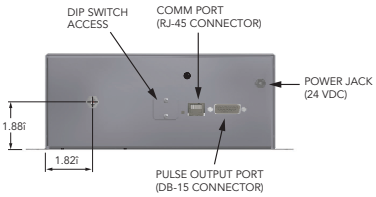
Remote 1104

Airborne Particle Counter

Technical Data Sheet







	Remote 1104
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/ft3@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

CE

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