

Remote1104LD

AIRBORNE PARTICLE COUNTER



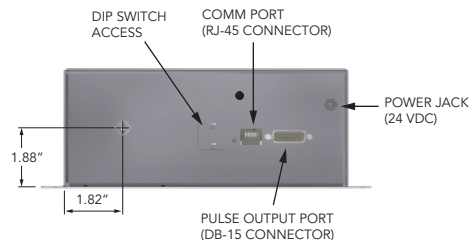
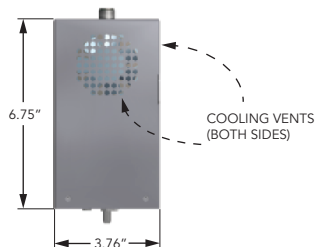
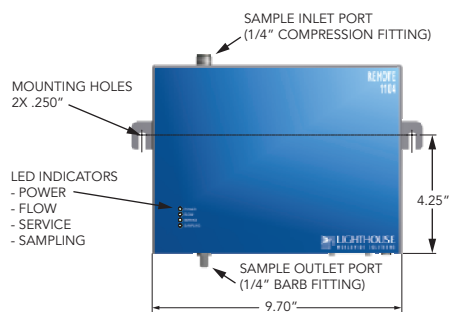
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SING state-of-the-art long life laser diode technology, the Lighthouse Remote 1104LD is an industry first laser diode based remote particle counter with a sensitivity of 0.10 μm at a high flow rate of 1.0 CFM (28.3 LPM) that uses an optics and photodiode 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 features our long-life laser diode technology that provides higher concentration limits, a better signal to noise ratio and requires less routine maintenance than conventional HeNe laser-based particle counters.

FEATURES

- 0.10 - 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 communication
- Stainless steel enclosure
- Interfaces to facility monitoring systems
- Designed to ensure 21 CFR Part 11 compliance
- 2 year warranty



TECHNICAL DATASHEET

Remote 1104LD Remote Airborne Particle Counter

Features

Size Range	0.10 - 1.0 μm
Standard 8 Channels	0.10, 0.15, 0.2, 0.25, 0.3, 0.5, 0.7, 1.0 μm
Communication Mode	RS-485 MODBUS
Counting Efficiency	50% @ 0.10 μm ; 100% for particles > 0.15 μm (per JIS)
Flow Rate	1.0 CFM (2.83 LPM)
Light Source	Laser Diode
Zero Count Level	< 1 count / 5 minutes (per JIS)
Concentration Limits	1,000,000 particles /ft ³ (34,300,000/m ³) @ 10% coincidence loss
Calibration	NIST traceable per ISO 21501-4
Vacuum Requirements	External vacuum required, nominal 1.0 CFM > 18" Hg (45.72 cm Hg)
LED Indicators	Power, Flow, Service, Sampling
Supporting Software	LMS Express, LMS Express RT, LMS Pharma, LMS Pro.
Enclosure	Stainless steel
Power	24 VDC
Dimensions	10.5" (w) x 7.65" (h) x 3.35" (d); [26.67 x 19.43 x 8.51 cm]
Weight	7.0 lbs (3.18 kg)

Included

Operating manual on CD, purge filter, power supply, power chord.

Optional

Isokinetic sampling probe, sample tubing, cabling.

Distributed By:



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

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