DATASHEET

Remote liquid particle counters (LPC)

Lighthouse

Distributed by AKRIBIS



Remote LPC LE

LIQUID PARTICLE COUNTER

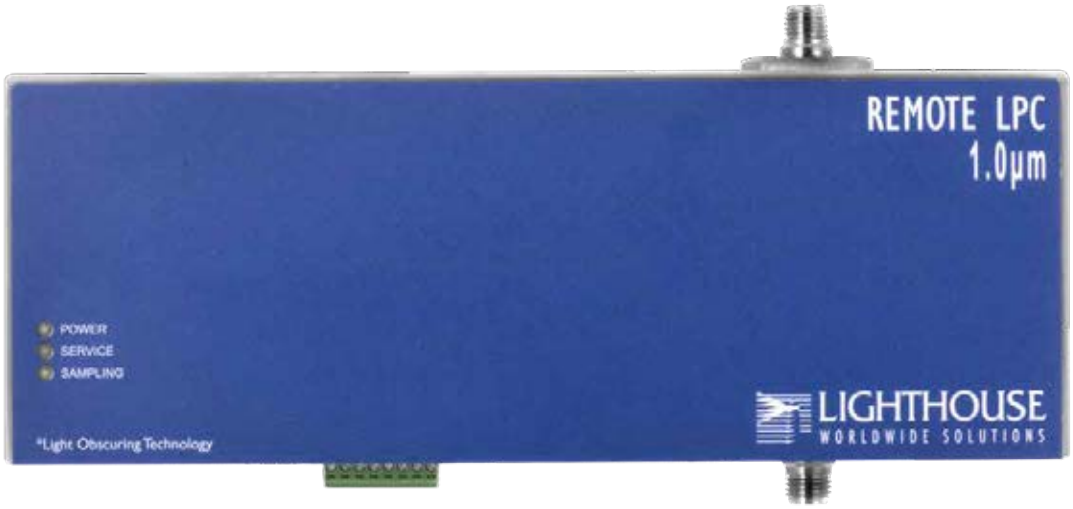
Ensure that the DI Water being supplied to your process always maintains a certain level of cleanliness. These units can be easily setup into Facility Monitoring Systems and can also be easily cleaned and maintained.

The Remote LPC LE has a range of 1.0 - 50 microns or 1.0 - 200 microns particle sizes in liquid, with a flow rate of 30 ml per minute. The sensor is designed to accurately measure up to 8 channels of simultaneous particle count data.

This liquid particle counter was created for continuous, 24 hour per day, 7 days per week operation. The instrument provides versatile mounting options allowing installation where space is at a premium.

Features

- 1.0 - 50.0µm or 1 - 200µm Particle Size Channels
- 30 ml per minute flow rate
- LED status indicators for power and service
- 8 Channel output by modbus; 4 channel by 4-20mA
- Interfaces with facility monitoring systems
- Compact size
- Designed for reliability
- 2 Year Warranty



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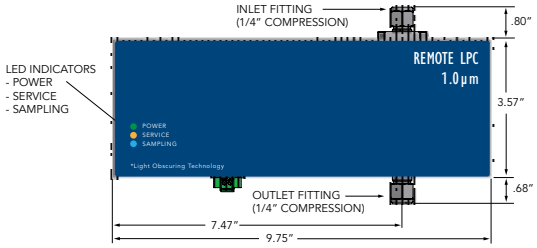
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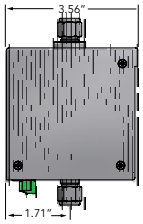
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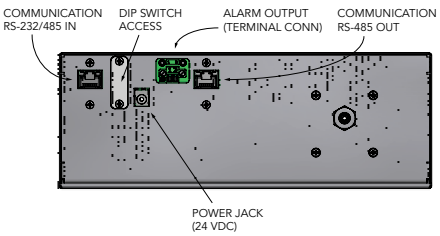
DOCUMENT VERSION 2.0.1

Remote LPC LE

LIQUID PARTICLE COUNTERR







Features / Models	**Remote** LPC LE 1.0-50µm	**Remote** LPC LE 1.0-200µm
Minimum Size Detection	1.0 µm	1.0 µm
Channel Sizes	1.0, 3.0, 5.0, 10.0, 15.0, 20.0, 25.0, 50.0 µm	1.0, 5.0, 10.0, 15.0, 20.0, 25.0, 50.0, 200.0 µm
Concentration Limit	40,000 counts/ml @ 5% coincidence error	50,000 counts/ml @ 5% coincidence error

Flow Rate	30 mL / minute
Laser Source	Laser Diode
Calibration	NIST Traceable
Data Storage	Rotating buffer 1,000 records
Communication Modes	RS232/485 via RJ45 to PC, RS485 modbus, ASCII, Modbus or MR protocol
LED Indicators	Power, Service, Sampling
Enclosure	Stainless steel
Sample Inlet/Outlet Connection	1/4" Compression
Sample Temperature	32 - 158°F (0 - 70°C)
Sample Pressure	150 PSI
Wetted Surface Materials	Stainless Steel 316L, Quartz, Kalrez
Power	24 VDC @ 150mA
Dimensions	9.75"(l) x 3.75"(w) x 3.80"(h) [24.7 x 9.0 x 9.6 cm]
Weight	4.30 lbs (1.95 kg)

Acceptable Chemicals	**Symbol**
Water	H_2O
Deionized Water	DI H_2O
Hydrogen Peroxide 30%	H_2O_2
Isopropyl Alcohol	IPA
Acetone	C_2H_2O

Includes: Power supply; 2x 10' Teflon sample tubing; USB - RJ-45 serial cable, Power supply.

Optional: Flowmeter, additional sample tubing, remote mounting plate, stand with flowmeter mounting, RS232 communication kit, RS485 adapter cable.

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