DATASHEET

Remote liquid particle counters (LPC)

Lighthouse

Distributed by AKRIBIS



Remote LPC

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.

Incorporating the latest in laser optical particle counting technology, Lighthouse designed the Remote LPC particle counter line for continuous trouble-free operation.

The Remote LPC integrates seamlessly into a large facility monitoring and management systems and transfers up to 2 channels of simultaneous particle count data using the 4-20mA protocol or four channels of data via Modbus.

Features

- 0.1 - 5.0µm Particle Size Channels
- 100 ml per minute flow rate
- LED status indicators for power and service
- 4-20mA or MODBUS output
- Interfaces with facility monitoring systems
- Compact size
- Designed for reliability
- 2 Year Warranty



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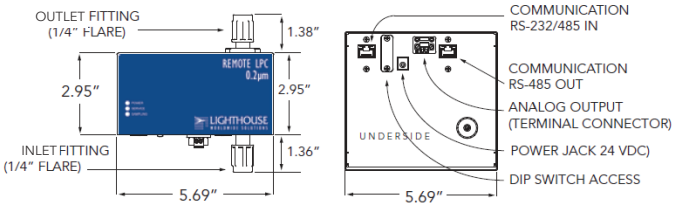
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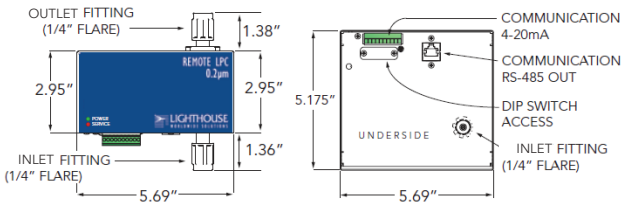
Remote LPC

LIQUID PARTICLE COUNTERR

MODBUS MODEL



4-20mA MODEL



Features / Models	Remote LPC 0.1	Remote LPC 0.2	Remote LPC 0.3	Remote LPC 0.5
Minimum Size Detection	0.1 µm	0.2 µm	0.3 µm	0.5 µm
Standard 2 Channels 4-20mA	0.1, 0.2 µm	0.2, 0.3 µm	0.3, 0.5 µm	0.5, 1.0 µm
Optional 2 Channel 4-20mA	0.1, 0.3; 0.1, 0.5 µm	0.2, 0.3; 0.2, 1.0; 0.2, 2.0 µm	0.3, 0.7; 0.3, 2.0; 0.3, 3.0 µm	0.5, 2.0; 0.5, 5.0 µm
Standard 4 Channels Modbus	0.1, 0.2, 0.3, 0.5 µm	0.2, 0.3, 0.5, 0.7 µm	0.3, 0.5, 0.7, 1.0 µm	0.5, 0.7, 1.0, 2.0 µm
Optional 4 Channels Modbus	-	0.2, 0.5, 1.0, 2.0 µm	0.3, 0.5, 1.0, 3.0 µm	0.5, 1.0, 2.0, 5.0 µm
Concentration Limit	64,000 counts/ml @ 5% coincidence error	4,000 counts/ml @ 5% coincidence error		

Flow Rate	100 mL / minute
Laser Source	Laser Diode
Calibration	NIST Traceable
Data Storage	Rotating buffer 2,000 records (modbus models)
Communication Modes	RS232/485 via RJ45 to PC, RS485 modbus, ASCII, Modbus or MR protocol
LED Indicators	Power, Sampling (4-20mA model); Power, Service, Sampling (485 modbus model)
External Alarm Output	Normal open dry contact rated 0-60v AC/DC 1 Amp
Enclosure	Stainless steel
Sample Inlet/Outlet Connection	1/4" FlaretekTM
Sample Temperature	32 - 140°F (0 - 60°C)
Sample Pressure	150 PSI
Wetted Surface Materials	Quartz, PTFE, PFA
Power	24 VDC
Dimensions	5.7"(l) x 5.2"(w) x 3.0"(h) [14.47 x 13.2 x 7.6 cm]
Weight	3.5 lbs (1.58 kg)

Includes: Power supply; tubing; flow cell cleaning, brush with Micro90 cleaning solution.

Optional: Printed operating manual; flow control device; sample tubing; cabling; flaring kit; flare nuts; LPC stand with flow meter mount; LMC flow meter Aluminum; LPC flow meter Teflon PFA; remote mounting bracket.

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