

Remote LPC LE

LIQUID PARTICLE COUNTER

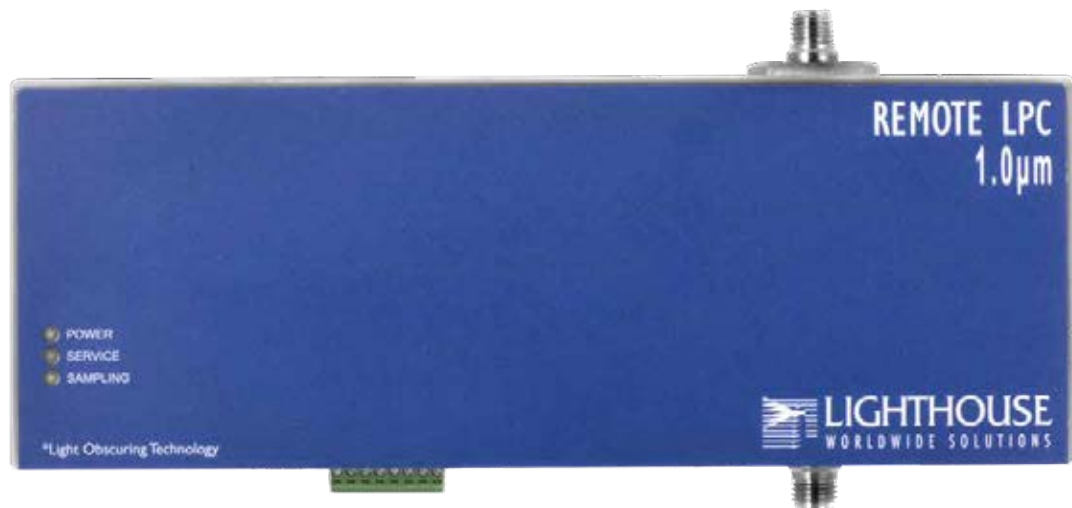
Ensure that the DI Water being supplied to your process always maintains a certain level of cleanliness. These units can be easily setup into Facility Monitoring Systems and can also be easily cleaned and maintained.

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 - 50.0 μ m or 1 - 200 μ m 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



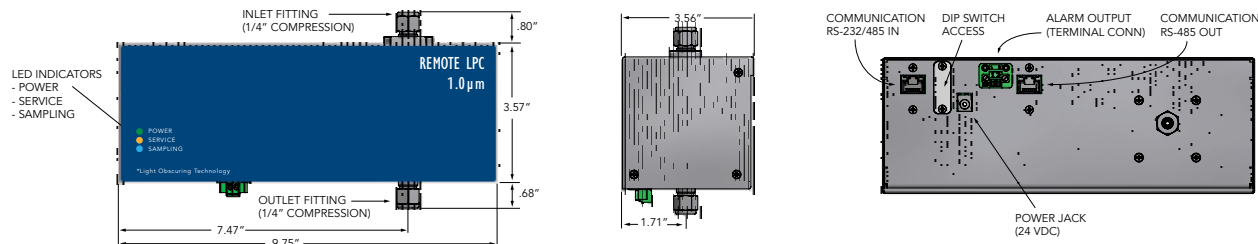
golighthouse.com
info@golighthouse.com



(Toll-free) 1 800 945 5905
(International) +1 541 770 5905

Remote LPC LE

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| 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 ₂ O |
| Deionized Water | DI H ₂ O |
| Hydrogen Peroxide 30% | H ₂ O ₂ |
| Isopropyl Alcohol | IPA |
| Acetone | C ₂ H ₂ O |

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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