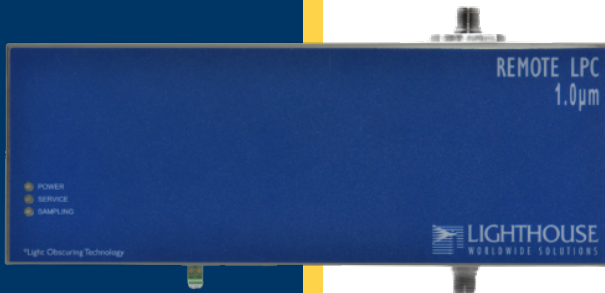


# RemoteLPC LE

## LIQUID PARTICLE COUNTER




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.

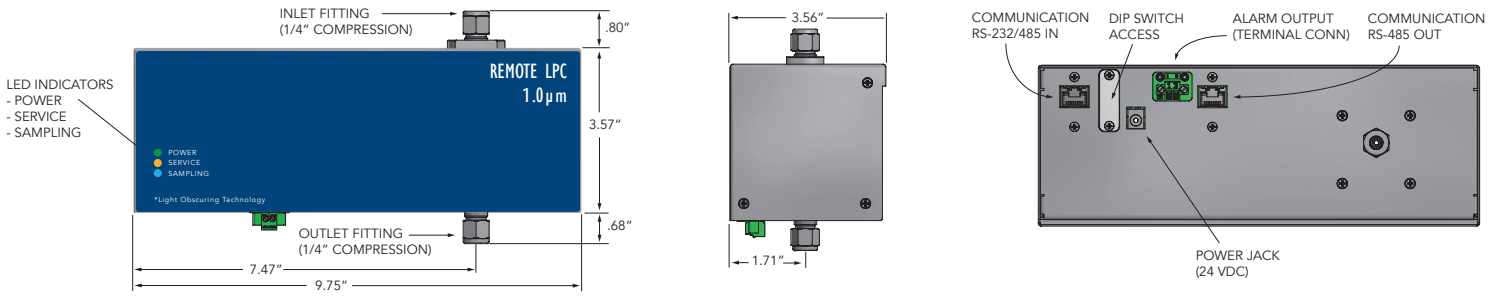
This liquid particle counter was created for continuous, 24 hour per day, 7 days per week operation. The instrument provides versatile mounting options allowing installation where space is at a premium.

### 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



 Learn More



TECHNICAL DATASHEET

## Remote Liquid Particle Counter

Features / Models	Remote LPC 1.0-50µm	Remote LPC 1.0-200µm
<b>Minimum Size Detection</b>	1.0 µm	1.0 µm
<b>Channel Sizes</b>	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
<b>Concentration Limit</b>	40,000 counts/ml @ 5% coincidence error	50,000 counts/ml @ 5% coincidence error
<b>Flow Rate</b>	30 mL / minute	
<b>Laser Source</b>	Laser Diode	
<b>Calibration</b>	NIST Traceable	
<b>Data Storage</b>	Rotating buffer 1,000 records	
<b>Communication Modes</b>	RS232/485 via RJ45 to PC, RS485 modbus, ASCII, Modbus or MR protocol	
<b>LED Indicators</b>	Power, Service, Sampling	
<b>Enclosure</b>	Stainless steel	
<b>Sample Inlet/Outlet Connection</b>	1/4" Compression	
<b>Sample Temperature</b>	32 - 158°F (0 - 70°C)	
<b>Sample Pressure</b>	150 PSI	
<b>Wetted Surface Materials</b>	Stainless Steel 316L, Quartz, Kalrez	
<b>Power</b>	24 VDC @ 150mA	
<b>Dimensions</b>	9.75"(l) x 3.75"(w) x 3.80"(h) [24.7 x 9.0 x 9.6 cm]	
<b>Weight</b>	4.30 lbs (1.95 kg)	

**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.

Acceptable Chemicals	Symbol	Unacceptable Chemicals	Symbol
Water	H <sub>2</sub> O	Ammonium Fluoride	NH <sub>4</sub> F
Deionized Water	DI H <sub>2</sub> O	Hydrofluoric Acid 50%	HF 50%
Nitric Acid 70%	HNO <sub>3</sub> 70%	Hydrofluoric Acid 5%	HF 5%
Sulphuric Acid 96%	H <sub>2</sub> SO <sub>4</sub>	Hydrofluoric Acid 0.5%	HF 0.5%
Hydrochloric Acid 37%	HCL	Tetramethylammonium Hydroxide	TMAH
Ammonium Hydroxide 29%	NH <sub>4</sub> OH	Buffered Hydrofluoric Acid	BHF
Hydrogen Peroxide 30%	H <sub>2</sub> O <sub>2</sub>	Buffered Oxide Etch	BOE
Phosphoric Acid 86%	H <sub>3</sub> PO <sub>4</sub>		
Potassium Hydroxide 1%	KOH		
Isopropyl Alcohol	IPA		
Acetone	C <sub>2</sub> H <sub>2</sub> O		
N-methyl Perryiodine	NMP		

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