



## LIQUID GRAB SAMPLER

The **Liquid Grab Sampler (LGS)** adds value to the Lighthouse REMOTE Liquid Particle Counter by providing a reliable pump system and NEMA enclosure to help integrate it with process equipment and large facility monitoring systems.

The **LGS** was designed to provide reliable sampling in a variety of applications such as parts washing, waste water monitoring and process monitoring for many different environments.

It incorporates a state-of-the-art pump, precision pump speed control, precision flow meter and externally controlled low voltage pump switching. The **LGS** is easy to configure, operate and monitor. The REMOTE Liquid Particle Counter (sold separately) provides particle count data in real time. All data can be transferred to a single computer or a facility monitoring system.

Designed and built by  
**Lighthouse - a name you can trust.**

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### Features:

- ★ External Pump Control
- ★ RS-485 MODBUS Output
- ★ Easy to Use Features
- ★ Building Management System Interface
- ★ Maintains High 100 ml/min Flow Rate (User controllable)
- ★ Same Robust Data Features as the Lighthouse REMOTE Liquid Particle Counter
- ★ Designed for Reliability
- ★ Easily Download Data to Computer
- ★ Used in Conjunction with Lighthouse REMOTE LPCs

### Benefits:

- ★ 2 Year Warranty
- ★ User Friendly Interface
- ★ International Support
- ★ Low Cost of Ownership
- ★ Long Pump Life
- ★ Repeatable Liquid Flow Rate
- ★ Easy Installation and Set Up
- ★ Proven Reliability
- ★ May be Used in a Variety of Applications

### Applications:

- ★ Quantifying Particle Concentration in State of the Art High Purity Water Systems
- ★ Filter Efficiency Particle Measurements
- ★ Trending Analysis at Lower Particle Concentrations
- ★ Manufacturing Process Control
- ★ Process Bath Monitoring
- ★ Parts Cleaning Testing
- ★ Water Quality Monitoring



## Specifications:

<b>Size Range - Refer to the LWS REMOTE Liquid Particle Counter Datasheet:</b>	0.1 - 100.0µm
<b>Flow Rate:</b>	100 ml/min
<b>Wetted Materials, Pump:</b>	SS / PEEK / PTFE
<b>Wetted Materials, Tubing:</b>	PTFE
<b>Wetted Materials, Flowmeter:</b>	BUNA, PTFE, glass, Aluminum
<b>Pump Motor:</b>	DC Brushless, Magnetic Drive
<b>Pump Type:</b>	Gear, PTFE, Repeatable Flow Rate
<b>LPC Connector Type:</b>	Internal, Standard RJ-45; External, Ruggedized Hermetically-sealed RJ-45
<b>Communication Modes:</b>	RS-232 via RJ-45 to PC, RS-485/MODBUS
<b>Supporting Software:</b>	LMS Express RT and RT+; LMS and LMS Net
<b>Fluid Connections:</b>	1/4" Flare, PTFE
<b>External Pump Control:</b>	Screw Terminal Mount for Wiring to External Equipment DC Relay, 5VDC
<b>Enclosure:</b>	NEMA
<b>Fluid Circulation:</b>	Internal Pump, Manual Flow Control
<b>Power:</b>	100-240 VAC, 50-60 Hz
<b>Dimensions:</b>	7.0" (d) x 16.8" (w) x 17.2" (h) [17.8 x 42.7 x 43.7 cm]
<b>Weight:</b>	10 lbs (4.5 kg) as shipped (without RLPC)

## Environmental Conditions

**Operating:** 50°F to 104°F (10°C to 40°C) / 20% to 95% relative humidity, non-condensing

**Storage:** 14°F to 122°F (-10°C to 50°C) / Up to 98% relative humidity, non-condensing

## Accessories

**Included:** Power Supply, Power Cord

Manufactured by:



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Distributed by:

