LS20/60

LIQUID BATCH SAMPLERS

The Liquid Batch Samplers are an integrated syringe sampler and optical particle counting system with an easy-to-use Windows-based software interface.

With a sample flow rate of 60 ml/min or 20 ml/min, the Liquid Batch Samplers provide unprecedented measurement speed and accuracy. Using a high-accuracy syringe pump flow control system and high-volume sensor, it is the perfect tool for multiple batch sampling applications.
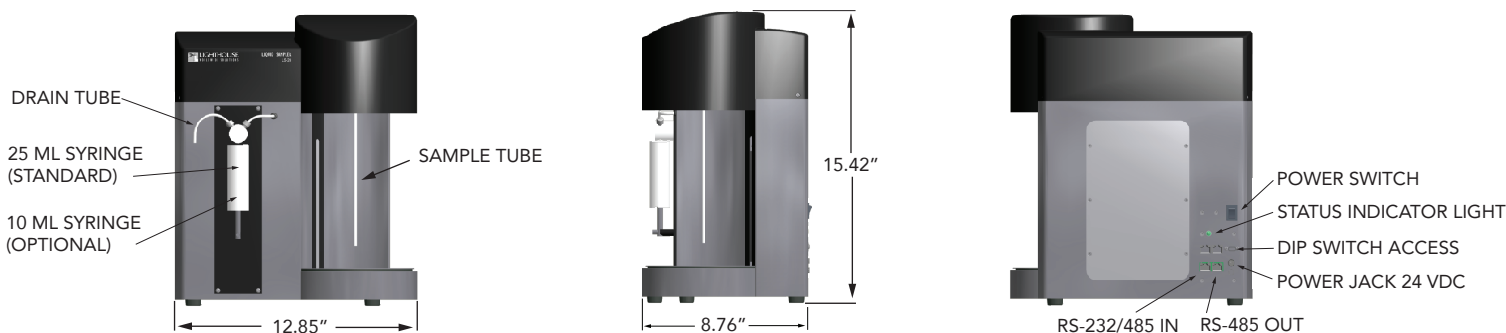
The Liquid Batch Samplers are easy to configure and operate. Data is automatically recorded and readily available in real-time graph and tabular form. Reports can be preconfigured and printed at the touch of a key.

F E A T U R E S

- 0.1 - 100.0μm or 1.0μm-50μm Particle Size Channels
- Sample volumes 1mL to 1 Liter
- 8 channel sizes
- Precise syringe pump flow control
- Stainless steel enclosure
- Built-in magnetic stirrer
- Compact footprint
- RS-485 MODBUS communication
- 2 Year Warranty

Learn More

LIGHTHOUSE WORLDWIDE SOLUTIONS

DRAIN TUBE

25 ML SYRINGE (STANDARD)

10 ML SYRINGE (OPTIONAL)

SAMPLE TUBE

15.42"

12.85"

8.76"

POWER SWITCH
STATUS INDICATOR LIGHT
DIP SWITCH ACCESS
POWER JACK 24 VDC

RS-232/485 IN   RS-485 OUT

T E C H N I C A L   D A T A S H E E T

Liquid Batch Samplers

Features / Models	LS20	LS60
Minimum Size Detection	1.0 µm	0.1 µm
Standard 8 channel sizes	1.0, 2.0, 3.0, 5.0, 10.0, 15.0, 25.0, 50.0 µm	0.1, 0.15, 0.2, 0.25, 0.3, 0.35, 0.4, 0.5 µm
Size Ranges	User definable 1.0 - 50.0 µm	0.1 - 0.5 µm; 0.2 - 2.0 µm; 0.3 - 3.0 µm; 0.5 - 100.0 µm
Flow Rate	20 ml/minute	60 ml/min
Reports	Current USP, EP, JP, KP, CP and custom recipes	Current USP, EP, JP, KP, CP and custom recipes

Laser Source	Laser Diode
Calibration	NIST Traceable
Syringe Sizes	10 ml, 25 ml
Maximum Sample	1 Liter
Communication Mode	RS-485 MODBUS
Wetted Components	Teflon (PFA), Quartz, Kalrez, Kel F, Polypropylene
Stirrer	Magnetic with adjustable speed
Connectors	RJ-45
Supporting Software	LS20 Software/ LS60 Software
Enclosure	Stainless Steel
Power	100-240 VAC, 24 VDC
Dimensions	12.875"(l) x 8.75"(w) x 14.75"(h) [32.7 x 22.2 x 37.5 cm]
Weight	20.5 lbs (9.3 kg)
Environmental Conditions	Operating: 50°F to 104°F (10°C to 40°C) / 20% to 95% non-condensing
	Storage: 14°F to 122°F (-10°C to 50°C) / up to 98% non-condensing
Minimum System Requirement	Windows 7TM or Windows 10TM compatible computer.

Includes   Instrument, USB to RJ45 cable, power supply, 500 ml beaker with edge guard, 10 feet of tubing, flow cell cleaning solution, nut and ferrule kit, 2x magnetic stir bars; Operators Manual on USB key; Calibration Certificate and Carry Case with wheels.

Optional   Printed operating manual, IQ/OQ Validation Documents, 10ml syringe; 5-piece beaker set (50, 100, 250, 600, 1000 ml beakers). certificate of origin.

Distributed By:

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