

# LFS-113 DUAL MODE LOW FLOW SAMPLING PUMP

**Your Old Favorite, The Reliable LFS-113  
Has Just Been...SUPER CHARGED!**



By replacing the NiCad battery with a Nickel-Metal-Hydride battery we have ended the era of quick battery drains. The NiMH will not develop “short memory effect” that afflicts older technology batteries. **AND**, it’s environmentally friendly. This new technology is available in a package you already know. The LFS-113 has been the most precise low flow pump on the market for 15 years running!

## OTHER LFS-113 FEATURES

- Dual Mode Operation
- Flow Fault Indicator
- Timer Option (DC Model)
- Battery Check LED

## PRODUCT SPECIFICATIONS

### PERFORMANCE

Flow Range .....	1- 350cc/min
Low Flow Range .....	Constant Flow: 1-200cc/min, to 25" H <sub>2</sub> O
Constant Flow Control .....	Constant Pressure (Multi Flow): 1-350cc/min, to 18±3" H <sub>2</sub> O
Constant Flow Control .....	Better than ± 5% of set flow (after calibration)
Run Time .....	8 hour minimum
Flow Fault .....	If flow changes exceed 5%, fault icon appears. If fault exceeds 30 seconds, pump shuts down. Clock [Timer] model will retain sample time during fault shutdown.

### ENVIRONMENTAL

#### Temperature Ranges

Operating .....	-20°C to 45°C (-4°F to 113°F)
Storage .....	-40°C to 45°C (-40°F to 113°F)
Charging .....	-40°C to 45°C (-40°F to 113°F)

#### Humidity Ranges

Operating .....	0-85 %RH, non-condensing
Storage .....	0-100 %RH, non-condensing

### GENERAL

Features .....	Dual filtration system, sorbent tube end breaker, belt clip
Controls .....	Power Switch, Flow Control Screw
Indicators .....	Flow Fault, Battery Check
Icons (LCD) .....	Elapsed Time (DC model only)
Dimensions .....	6.35W x 11.76H x 3.51D cm
	2.50W x 4.63H x 1.38D inches
Weight .....	340 g (12.0 oz.)

### ELECTRICAL

Battery Pack .....	Rechargeable Nickel-Metal-Hydride
Interface Connectors .....	Charging Jack
Charging Time .....	14-18 hours

### APPROVALS

CE .....	EMC Directive [EMI/RFI]:
	EN 55 022 Class B;
	IEC 801-2, 3
	ATEX:
	II 2 G
	Ex ib IIB T4

## ORDERING INFORMATION

Description	Part Number
LFS-113 D Sampling Pump, Basic [ATEX] .....	810-0301-02
LFS-113 DC Sampling Pump, Clock [ATEX] .....	810-0302-02
LFS-113 D Sampling Pump, Basic [ATEX], Starter Kit, 230V .....	910-0301-02
LFS-113 DC Sampling Pump, Clock [ATEX], Starter Kit, 230V .....	910-0303-02
LFS-113 D Sampling Pump, Basic [ATEX], Five-Pack Kit, 230V .....	910-0302-02
LFS-113 DC Sampling Pump, Clock [ATEX], Five-Pack Kit, 230V .....	910-0304-02
Single-Station Charger (230 VAC) .....	400198-1
Five-Station Charger (230 VAC) .....	400373
Battery Pack [ATEX] .....	783-0003-01
Tool Kit .....	800222
Air Boss Kit (required for bag sampling) .....	800685
Carrying Case (18" x 13" x 7") .....	800400