

LFS-113

Dual Mode Low Flow Sampling Pump

The Gilian LFS-113 low flow sampler is the most powerful and reliable pocket sized personal air sampler available today. The LFS-113 offers two sampling modes selectable by the user. The constant flow control mode holds the flow within +/-5% of the set flow. The multi-flow (constant pressure control) mode allows multiple samples to be taken simultaneously. No other pocket sized pump matches the wide flow range and high back pressure capability of the LFS-113.



Gilian®

LFS-113 FEATURES

- Dual Mode Operation
- Flow Fault Indicator
- Battery Check LED

Product Specifications

PERFORMANCE

Flow Range.....	1 - 350cc/min
Low Flow Range.....	Constant Flow: 20-200cc/min, to 25" H ₂ O
	Constant Pressure (Multi Flow): 1-350cc/min, to 18±3" H ₂ 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. .

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
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 NiMH
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Interface Connectors.....	Charging Jack
Charging Time.....	14-18 hours

APPROVALS

CSA	
CE.....	EMC Directive [EMI/RFI]: EN 55 022 Class B; IEC 801-2, 3
	ATEX: II 2 G EEx ib IIC T4
UL.....	Class I, Groups A,B,C & D Class II, Groups E, F & G Class III, Temp Code T3C

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Description	Part Number
Pump Kits	
<i>Includes: LFS-113 Pump, 36" Tubing, Air Boss Kit, Reversible Screwdriver and User Manual.</i>	
LFS-113 D Pump, No Charger - Basic	810-0301-02
Starter Kits	
<i>Includes: LFS-113 Pump, 36" Tubing, Air Boss Kit, Single Tube Holder, Reversible Screwdriver, User Manual and Single Unit Charger.</i>	
LFS-113 D Pump, Starter Kit 120V - Basic	910-0301-01
LFS-113 D Pump, Starter Kit, 230V, Euro Plug - Basic	910-0301-02
Five-Pack Kits	
<i>Includes: Five LFS-113 Pump, Five Pieces of 36" Tubing, Five Air Boss Kit, Five Single Tube Holders, Five Reversible Screwdrivers, Five User Manuals and a Five-Unit Charger.</i>	
LFS-113 D Pump, 5-Pack,120V - Basic	910-0302-01
LFS-113 D Pump, 5-Pack, 230V, Euro Plug - Basic	910-0302-02
Spare Parts and Accessories	
Five Unit Charger	US Plug 400324 Euro Plug 400373
Single Unit Charger	US Plug 298-0005-01 Euro 400198-1
Air Boss Kit - required for bag sampling	800685
Carrying Case (18 x 13 x 7 inches / 45.7 x 33 x 17.8 cm)	800400