

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. Basic and a clock models are available in both UL and ATEX versions.



Gilian®

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: 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. 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 NiMH
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Note: Battery packs are not interchangeable between models.

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: Ex II 2 G EEx ib IIC T4

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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
LFS-113 DC Pump, No Charger - Clock	810-0302-02
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 DC Pump, Starter Kit 120V - Clock	910-0303-01
LFS-113 D Pump, Starter Kit, 230V, Euro Plug - Basic	910-0301-02
LFS-113 DC Pump, Starter Kit, 230V, Euro Plug - Clock	910-0303-02
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 DC Pump, 5-Pack, 120V - Clock	910-0304-01
LFS-113 D Pump, 5-Pack, 230V, Euro Plug - Basic	910-0302-02
LFS-113 DC Pump, 5-Pack, 230V, Euro Plug - Clock	910-0304-02
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

For more information on this pump and other Gilian products, please call 800-451-9444, ext 782 and ask for our Gilian product catalog.

