

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 [ATEX] Rechargeable NiCad [UL]
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Note: Battery packs are not interchangeable between models.

Interface Connectors	Charging Jack
Charging Time	14-18 hours

APPROVALS

UL	Class I, Groups A,B,C & D Class II, Groups E, F & G Class III, Temp Code T3C
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Ordering Information

LFS-113 Air Sampling Pumps

LFS-113 D Pump, Basic	800088-101
LFS-113 DC Pump, Clock	800098-101
LFS-113 D Pump, Basic [ATEX]	810-0301-02
LFS-113 DC Pump, Clock [ATEX]	810-0302-02

LFS-113 Starter Kits

LFS-113 D Pump, Basic, Starter Kit, 120V	800088-101-1201
LFS-113 DC Pump, Clock, Starter Kit, 120V	800098-101-1201
LFS-113 D Pump, Basic, Starter Kit, 230V, Euro plug.....	800088-101-2301
LFS-113 DC Pump, Clock, Starter Kit, 230V, Euro plug.....	800098-101-2301
LFS-113 D Pump, Basic [ATEX], Starter Kit, 230V, Euro plug.....	910-0301-02
LFS-113 DC Pump, Clock [ATEX], Starter Kit, 230V, Euro plug.....	910-0303-02

LFS-113 Five-Pack Kits

LFS-113 DS Pump, Basic (with 5-Unit Charger), 120V	800088-101-1205
LFS-113 DCS Pump, Clock (with 5-Unit Charger), 120V	800098-101-1205
LFS-113 DS Pump, Basic (with 5-Unit Charger), 230V, Euro plug.....	800088-101-2305
LFS-113 DCS Pump, Clock (with 5-Unit Charger), 230V, Euro plug.....	800098-101-2305
LFS-113 D Pump, Basic [ATEX] (with 5-Unit Charger), 230V, Euro plug	910-0302-02
LFS-113 DC Pump, Clock [ATEX] (with 5-Unit Charger), 230V, Euro plug	910-0304-02

LFS-113 Spares & Accessories

5-Unit Charger, 120V.....	400324
Single Unit Charger, 120V UL (Replaces 400164).....	298-0005-01
5-Unit Charger, 230V [CE], Euro plug	400373
Single Unit Charger, 230V, US plug	400198
Single Unit Charger, 230V, Euro plug [CE].....	400198-1
Battery Pack, 120V [UL]	800086
Battery Pack, 230V [ATEX, Service centers only]	783-0003-01
Tool Kit.....	800222
Air Boss Kit (required for bag sampling).....	800685
Carrying Case (18" x 13" x 7").....	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.