

## STUDENT TECHNOLOGY FEE REQUEST FORM

Procedure for Submission:

Form Updated: 9/05/17

1. Submitter must obtain required information from vendor(s). An official quote from the vendor must be attached. No website screen shots
2. This request must be reviewed, approved, and submitted by the requesting program's School Chair.
3. The School Chair may email this request to the Tech Fee Director. *Since some schools will have multiple requests, please rename request PDF files in the following format: Schoolname# (rank, 1 being the highest priority) example - SocialJustice1, SocialJustice2, etc. Please submit as one PDF file*

Dept. making request:		Requesting Faculty:		Date Submitted:	
<b>IMPORTANT: Attach an official quote from the vendor.</b>					

**List one item OR group (for use as a "package") per page.**

Item Name	Vendor info. (name, address, Web site URL, phone #, email, etc.)	Part or Model #	Cost (each)	Qty	Total
Course(s) where item(s) will be used		Expected life of product (years)		# Students Impacted per Year	
Location equipment or software will be used/stored		Will Tech Fee needed for annual renewal or maintenance? What is the annual cost?			
Provide a brief description of the technology requested*:					
Briefly describe how the technology will be used (function)*:					
Provide a rationale that Tech Fee funds are appropriate for this request*:					

**\*Keep in mind that the committee members come from a variety of educational backgrounds and may not be familiar with department specific language. Please use concise, common terminology so that committee members reviewing this form will be able to fully understand the request.**

- If you are submitting a request for computers, printers, scanners or software, you must consult with College Computing and the technology staff, to acquire a quote and to make sure that this equipment/software is supported by UT and compatible with existing technology.

# 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 <sub>2</sub> O
	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 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
<b>Pump Kits</b>	
<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
<b>Starter Kits</b>	
<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
<b>Five-Pack Kits</b>	
<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
<b>Spare Parts and Accessories</b>	
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.





Corporate Office • 135 Bernice Dr. • Bensenville • IL • 60106  
[www.Lesman.com](http://www.Lesman.com) | An Employee-Owned Company

Quote Number: 910-0304-01

LFS-113 DC Pump, 5-Pack,120V - Clock Model

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

\$4,716.90/5 PACK Educational Discount

1-2 Weeks ARO

**Loreen Callahan | Inside Sales**

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