

Gilian® LFS™ Pro

NEW!



THE LOW FLOW PRO

Easiest to Run. Maximum Data.

LFS Pro is an advanced Low Flow Sampling pump that enables professionals to make the best-informed decisions. How? It maximizes data collected to ensure accurate air sampling and reliable results.

LOW FLOW

- 20 to 500 cc/min – constant flow mode
- 1 to 500 cc/min – constant pressure mode

HIGH PERFORMANCE

- Pumps are standard with Data Logging and Standard Temperature & Pressure (STP) corrected volumes
- Up to 2X's Back Pressure of others - 40" H2O at 20-500 cc/min
- Bluetooth® options available
- Very stable, very quiet

Just set the flow rate, calibrate, and start sampling.



Gilian[®] LFS[™] Pro

Low Flow Sampling Pump

In addition to a Bluetooth[®] pump model, the **Motion** pump model features allow the pump to record additional motion data that can be used for verifying pump-wearing compliance and user activity monitoring. User motion is tracked and recorded by motion intensity. **ACTIVE** motion (walking), **PASSIVE** motion (wearing, but not walking), and **INACTIVE** motion (not wearing). The percentage of each motion intensity can be displayed on the pump event data review screen, and the time-based graphs of instantaneous motion are available within the latest Gilian CONNECT Pro software.

LFS Pro Pump Kits



Single Pump Starter Kit	Part #
Bluetooth With Motion	910-1811-11EN-R
Bluetooth Without Motion	910-1801-11EN-R
Without Bluetooth, With Motion	910-1810-11EN-R
Without Bluetooth, Without Motion	910-1800-11EN-R
Includes: Gilian LFS-Pro Pump, USB Cable (6'), Universal Charger, Bag Fill Adapter, Spare Inlet Filter, Tube Holder Kit, and Flash Drive containing User Manual, Quick Start Guide, and Connect Pro Software.	
5 Pump Starter Kit	Part #
Bluetooth With Motion	910-1811-52EN-R
Bluetooth Without Motion	910-1801-52EN-R
Without Bluetooth, With Motion	910-1810-52EN-R
Without Bluetooth, Without Motion	910-1800-52EN-R
Includes 5 of each: Gilian LFS-Pro Pumps, USB Cables (6"), Bag Fill Adapters, Spare Inlet Filters, Tube Holder Kits, Flash Drive containing User Manual, Quick Start Guides, and Connect Pro Software. Plus: USB 7-Port Charging/Communications Hub, and a 5-Pack Hard Shell Carrying Case.	
Combo Kit: 5 Pumps + Go-Cal Pro calibrator (Low Flow)	Part #
Bluetooth With Motion	910-1811-62EN-R
Bluetooth Without Motion	910-1801-62EN-R
Without Bluetooth, With Motion	910-1810-62EN-R
Without Bluetooth, Without Motion	910-1800-62EN-R
Includes 5 of each: Gilian LFS-Pro Pumps, USB Cables (6"), 5 Bag Fill Adapters, 5 Spare Inlet Filters, 5 Tube Holder Kits, Flash Drive containing User Manual, Quick Start Guides and Connect Pro Software. Plus: Gilian Go-Cal Pro (Low) Calibrator, USB 7-Port Charging/Communications Hub, USB Cable (6'), Tubing, Tubing Adapter Kit, and a 5-Pack Combo Kit Hard Shell Carrying Case.	

Kits are available in Region specific configurations: EN, EU, UK, CH, PT

Product Specifications

PERFORMANCE

Flow Range.....	20 - 500 cc/min
	1 - 500 cc/min in Constant Pressure mode
Flow Modes.....	Constant Flow or Constant Pressure
Accuracy	
Flow Display.....	± 5% of set flow or ±3 cc/min whichever is higher
Constant Flow Control.....	± 5% of set flow or ±3 cc/min whichever is higher from minimum pressure of 1 "H2O to specified maximum
Constant Pressure Control.....	± 10% of back-pressure
Run Time	Over 24 hrs on full battery, continuous sampling on AC power
Back Pressure Capability (based on 8-hour runtime)	20 - 500 cc/min up to 40" H2O back pressure
	8 hour minimum with back pressures up to max specified capability
Flow Fault	If flow changes exceed 5% within back pressure specifications, fault notification appears. If fault exceeds 30 seconds, pump shuts down. Selectable automatic fault recovery allows the pump to attempt restart every 3 minutes for up to 10 times or to hold until manual intervention.

BAROMETRIC PRESSURE COMPENSATION

Correction Accuracy.....	After calibration at the desired flow rate, the flow will not vary by more than 5% if the barometric pressure is in the range specified below
Barometric Pressure Range.....	560mmHg to 1160mmHg

ENVIRONMENTAL

Temperature Ranges	
Operating	14°F to 104°F (-10°C to 40°C)
Storage	-4°F to 113°F (-20°C to 45°C)
Charging	41°F to 104°F (5°C to 40°C)
Humidity Ranges	
Operating	5-95 %RH, non-condensing
Storage	5-98 %RH, non-condensing

GENERAL

Display	Flow rate, sample time, and sample volume in actual conditions
Controls	
Indicators	Green, Blue, and Red LED's
Dimensions	5.0 x 3.0 x 1.5 inches (12.7 x 7.4 x 3.8 cm)
Weight.....	11.3 ounce (320 grams)
Warranty	2 years for pump, and 1 year on rechargeable Li-Ion battery pack

ELECTRICAL

Power Options.....	Removable rechargeable Lithium Cobalt Oxide (Li-Ion) battery pack
Battery Level Indicator.....	On-screen icon displays battery level
Charging Time.....	Under 8 Hours
Bluetooth® 4 Link Distance.....	5 meters (if equipped)

APPROVALS

ISO 13137:2022 Compliant

Intrinsic Safety

US/Canada NRTL (FM)	Class 1, Div 1, Grp A, B, C & D
	Class II, Div 1, Grp E, F & G
	Class III, T3
	Cl I, Zn 0, AEx/Ex ia IIC T3 Ga

ATEX/IECEx..... II 1 G Ex ia IIC T3 Ga

CE

Applicable Directives.....	ATEX 2014/34/EU, EMC 2014/30/EU, Radio Equipment 2014/53/EU, RoHS 2011/65/EU
Bluetooth® Module (if applicable)	FCC ID WAP4008

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