

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.



[Sensidyne.com/LFS](https://www.sensidyne.com/LFS)

SENSIDYNE®
Industrial Health & Safety Instrumentation

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 charge, continuous sampling from dock |
| 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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