GilAir® PLUS
Innovation Delivered

Performance, versatility, superior design, and result validation

Easily Monitor Activity with Your Mobile Device!

Quickly set up a mobile device for remote (via Bluetooth) internal motion monitoring, logging that provides improved sample integrity, in-process sample auditing, snapshots, and automatic reports of current conditions. Complete instructions are included with the GilAir® Plus.

Sample data, as well as motion monitoring is available via Bluetooth connection to Android and iOS* devices running Gilian CONNECT Mobile.

QuadModeSM Air Sampling Technology

Wide, dynamic flow range provides high-flow constant pressure and constant flow, and low-flow constant pressure and constant flow without external adapters.

Selectable Automatic Fault Recovery

GilAir® Plus pump automatically attempts restart to recover from temporary fault conditions. The selectable automatic fault recovery feature provides restart in the event the sample tubing becomes crimped or briefly blocked. This feature attempts to restart the pump up to 10 times every 3 minutes to check if the block is cleared. Fault time is not added to the accumulated and displayed sample runtime. Automatic fault recovery can be disabled if desired.

SmartCal℠ Automatic Calibration

The SmartCal feature uses the dock as a communication link between appropriate calibration devices and the GilAir® Plus. It automates calibration and records pre and post sample calibrations in the pump's datalog.

Superior Design & Advanced Data Handling

GilAir® Plus is light-weight, quiet, with a large backlit display. An optional computer interface allows uploading program information or downloading time-stamped datalogs through the docking station. An intuitive menu and keypad interface make it easy for users to make adjustments or change settings on the pump using a lockable keypad to prevent tampering once the pump is set for use.

High Back Pressure Capability

GilAir® Plus delivers the reliable performance users expect from the Gilian brand. The pump has high back-pressure capability of up to 40" H_2O in high-flow and also up to 40"H_2O in low flow. An automatic self check system ensures sample accuracy by continuously monitoring pump performance and components.

Temperature & Pressure Compensation

The GilAir® Plus pump operates in selectable ambient or standard mode correcting for temperature and barometric pressure when equipped with STP option and provides automatic flow correction option for barometric pressure changes.

* A current list of iOS and Android devices can be found at www.sensidyne.com on the GilAir Plus product page

GilAir® PLUS

Docking Provides Charging & Communication Functions

GilAir® Plus docks provide charging and communication functions (Datalog and STP models) for the pump. Once docked, the Gilian CONNECT PC application allows users to review datalogs, generate sampling reports, manage sampling programs, and create pump set-up profiles that expedite deployment of large pump fleets and management of sample records.

Three and five-station docks are included when ordering multi-pump configurations.

GilAir Plus Pumps

Pump Only			
Basic Model	810-0901-01-R	810-0901-01-R	810-0901-01-R
Data-logging Model	810-0902-01-R	810-0902-01-R	810-0902-01-R
BT Data-logging Model	810-0902-02-R	810-0902-02-R	810-0902-02-R
STP Model	810-0903-01-R	810-0903-01-R	810-0903-01-R
BT STP Model	810-0903-02-R	810-0903-02-R	810-0903-02-R
Single Unit Starter Kit	**US PLUG**	**EURO PLUG**	**UK PLUG**
Basic Model	910-0901-US-R	910-0901-EU-R	910-0901-UK-R
Data-logging Model	910-0902-US-R	910-0902-EU-R	910-0902-UK-R
BT Data-logging Model	910-0910-US-R	910-0910-EU-R	910-0910-UK-R
STP Model	910-0903-US-R	910-0903-EU-R	910-0903-UK-R
BT STP Model	910-0911-US-R	910-0911-EU-R	910-0911-UK-R
Three Unit Starter Kit	**US PLUG**	**EURO PLUG**	**UK PLUG**
Basic Model	910-0907-US-R	910-0907-EU-R	910-0907-UK-R
Data-logging Model	910-0908-US-R	910-0908-EU-R	910-0908-UK-R
BT Data-logging Model	910-0914-US-R	910-0914-EU-R	910-0914-UK-R
STP Model	910-0909-US-R	910-0909-EU-R	910-0909-UK-R
BT STP Model	910-0915-US-R	910-0915-EU-R	910-0915-UK-R
Five Unit Starter Kit	**US PLUG**	**EURO PLUG**	**UK PLUG**
Basic Model	910-0904-US-R	910-0904-EU-R	910-0904-UK-R
Data-logging Model	910-0905-US-R	910-0905-EU-R	910-0905-UK-R
BT Data-logging Model	910-0912-US-R	910-0912-EU-R	910-0912-UK-R
STP Model	910-0906-US-R	910-0906-EU-R	910-0906-UK-R
BT STP Model	910-0913-US-R	910-0913-EU-R	910-0913-UK-R

Product Specifications

PERFORMANCE

Flow Range	Constant flow 20 - 5,100 cc/min. without external adaptors Constant pressure 1 - 5,100 cc/min without external adaptors
Flow Modes	Constant Flow or High and Low Flow Constant Pressure Accuracy
Flow Display	± 5% or 3 cc/min of set flow, whichever is larger
Constant Flow Control	± 5% or 3 cc/min of set flow, whichever is larger
Constant Pressure Control	± 10% of back-pressure
Barometric Pressure	± 5% of calibrated flow from 460 to 1060 mmHg (STP Model Only) in high flow ranges
Barometric Pressure (8-hour runtime)	5000 cc/min. up to 12" H20 back pressure 4000 cc/min. up to 20" H20 back pressure 3000 cc/min. up to 30" H20 back pressure 2000 cc/min. up to 30" H20 back pressure 1000 cc/min. up to 35" H20 back pressure 20 - 999 cc/min. up to 40"" H20 back pressure
Run Time	8 hour minimum with back pressures up to max specified capability. Continuous sampling from dock.
Run Time	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.

ENVIRONMENT

Temperature Ranges

Operating	32°F to 113°F (0°C to 45°C)
Storage	-4°F to 113°F (-20°C to 45°C)
Charging	41°F to 104°F (5°C to 40°C)

Temperature 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 and Red LED's
Dimensions	4.3 x 2.4 x 2.4 inches (10.9 x 6.1 x 6.1 centimeters)
Dimensions	20.5 ounce (581 grams)
Warranty	2 years for pump, 5 years for pump keypad, and 1 year on rechargeable NiMH battery pack, lifetime warranty on belt clip

ELECTRICAL

Power Options	Removable rechargeable nickel-metal hydride (NiMH) battery pack, optional alkaline battery pack, or DC power
Battery Level Indicator	On-screen icon displays battery level
Interface Connectors	All pump interface is carried out via the Dock or keypad
Dock Functions	Battery charging, computer interface, and auto-calibration
Charging Time	Under 3.5 hours

ELECTRICAL

ISO 13137:2013 Compliant

Intrinsic Safety

US/Canada NRTL (FM)	Class I, Div 1 Groups A, B, C, D, E, F, and G; Class II, Div 1 Zone 0; Class III, T4
ATEX	⟨Ex⟩ II 1 G Ex ia IIC T4

CE

Applicable Directives	ATEX 94/9/EC EMC 2004/108/EC (RFI)	LVD 2006/95/EC	RoHS Compliant

Sensidyne, LP | 1000 112th Circle North, Suite 100 | St. Petersburg, Florida 33716
Tel: 800-451-9444 / +1 727-530-3602 | E-mail: info@Sensidyne.com | Web: www.Sensidyne.com
A company of the SCHAUENBURG International Group

GilAir Plus Product Bundles

Choose from a range of bundles that suit your needs
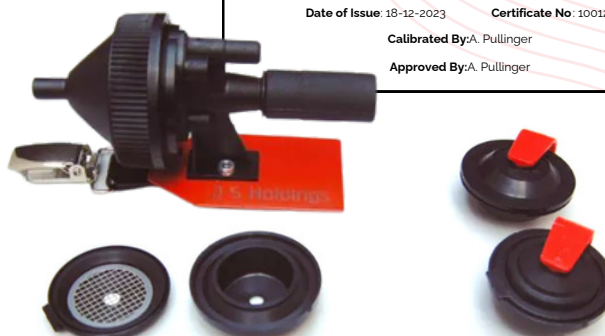
AcSoft
Noise, Vibration & Air Quality

Starter Pack

- ✓ GilAir Plus DL Starter Pack
- ✓ Docking station with cable
- ✓ Cyclone
- ✓ Tubing
- ✓ 5 pack 25mm casette
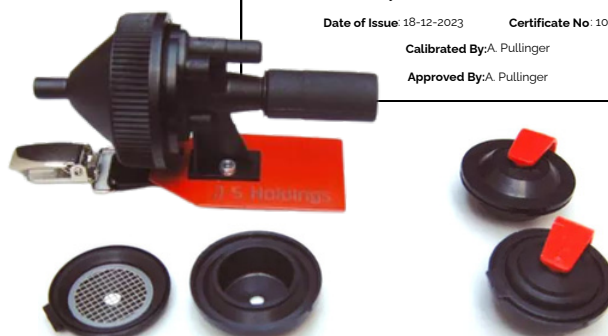- ✓ Filter pack 37mm x 100
- ✓ Calibration

CERTIFICATE OF CONFORMANCE

Issued By AcSoft Limited Calibration Laboratory

Date of Issue: 18-12-2023   Certificate No: 100121

Calibrated By: A. Pullinger

Approved By: A. Pullinger

CERTIFICATE OF CONFORMANCE

Issued By AcSoft Limited Calibration Laboratory

Date of Issue: 18-12-2023   Certificate No: 100121

Calibrated By: A. Pullinger

Approved By: A. Pullinger

Advanced Bluetooth Pack

- ✓ GilAir Plus DL Starter Pack
- ✓ Pump docking station
- ✓ Tubing
- ✓ Cyclone
- ✓ 5x Pack 25mm casette
- ✓ Filter pack 25mm x100
- ✓ Calibration

Professional Pack STP and Bluetooth

- ✓ GilAir Plus STP with BT and Data Logging Starter Pack
- ✓ Docking station with cable
- ✓ Cyclone
- ✓ 5 pack 37mm cassette
- ✓ Conical inhalable samoler
- ✓ Filter pack 37mm x 100
- ✓ Calibration

CERTIFICATE OF CONFORMANCE

Issued By AcSoft Limited Calibration Laboratory

Date of Issue: 18-12-2023   Certificate No: 100121

Calibrated By: A. Pullinger

Approved By: A. Pullinger

For more information email **sales@acsoft.co.uk,** call **01234 639550** or visit **www.acsoft.co.uk**