SENSIDYNE®
Industrial Health & Safety Instrumentation

GilAir® PLUS

Innovation Delivered

Performance, versatility, superior design, and result validation

Download the CONNECT™ Mobile App on your iOS or Android* smart phone/tablet for a full set of mobile features that assure data integrity!

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.

Bluetooth™

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

QuadMode℠ 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.
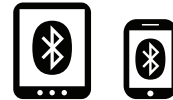
Selectable Automatic Fault Recovery

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.

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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

Back Pressure Capability
  (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.

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

ENVIRONMENTAL

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)

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 and Red LED's

Dimensions .... 4.3 x 2.4 x 2.4 inches (10.9 x 6.1 x 6.1 centimeters)

Weight .... 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

APPROVALS

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 .... Ⓔⓧ 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

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