

# Gilian® GilAir-5

## Constant Flow Air Sampling Pump



- External Filter Housing**  
 Clear External filter housing allows an immediate visual inspection of filter's condition.
- Flow Fault & Test Indicators**  
 Flow Fault indicator lights up if unit operates outside  $\pm 5\%$  of set flow rate. Battery Test indicator lights up when battery can provide a minimum of 8 hours of operation over operating range.
- Basic, Clock, & Program Models**  
 Basic model is easy to use. Clock model provides elapsed-time clock display. Program model provides auto start-stop and delayed start times up to 9999 mins.
- Optional Low Flow Modules**  
 Constant Low Flow module allows sampling from 20-500 cc/min. Constant Pressure (Multiflow) Module allows sampling from 1-750 cc/min.

| Description                                                         | Part Number     |
|---------------------------------------------------------------------|-----------------|
| GilAir-5 R Sampling Pump, Basic                                     | 800883-171      |
| GilAir-5 RC Sampling Pump, Clock                                    | 800885-171      |
| GilAir-5 RP Sampling Pump, Program                                  | 800884-171      |
| GilAir-5 R Sampling Pump, Basic, Starter Kit, 120V                  | 800883-171-1201 |
| GilAir-5 RC Sampling Pump, Clock, Starter Kit, 120V                 | 800885-171-1201 |
| GilAir-5 RP Sampling Pump, Program, Starter Kit, 120V               | 800884-171-1201 |
| GilAir-5 R Sampling Pump, Basic, Starter Kit, 230V                  | 800883-171-2301 |
| GilAir-5 RC Sampling Pump, Clock, Starter Kit, 230V                 | 800885-171-2301 |
| GilAir-5 RP Sampling Pump, Program, Starter Kit, 230V               | 800884-171-2301 |
| Single Unit Charger w/ Power Adapter, USB GilAir-3/5-Euro cord      | 911-9901-EU-R   |
| Single Unit Charger w/ Power Adapter, USB GilAir-3/5-US cord        | 911-9901-US-R   |
| GilAir-3/5 BDx-2-US Five Unit Charger, Universal, 120V, US Cord     | 811-9919-US     |
| GilAir-3/5 BDx-2-Euro Five Unit Charger, Universal, 230V, Euro Cord | 811-9919-EU     |
| Replacement Battery Pack                                            | 783-0009-02     |
| Low Flow Module, Constant Flow, Blue                                | 800518          |
| Low Flow Module, Multi-Flow, Blue                                   | 800519          |

### Product Specifications

#### PERFORMANCE

|                       |                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Flow Range            | 1- 5000 cc/min (Total),<br>850 - 5000 cc/min (High Flow);<br>20-500 cc/min (Constant Low Flow);<br>1-750 cc/min (Constant Pressure)                    |
| Constant Flow Control | $\pm 5\%$ of set flow at 1000-5000 cc/min                                                                                                              |
| Flow Compensation     | 5000cc up to 8" H2O back pressure<br>4000cc up to 18" H2O back pressure<br>3000cc up to 23" H2O back pressure<br>850cc up to 29" H2O back pressure     |
| Run Time              | 8 hour minimum                                                                                                                                         |
| Flow Fault            | If flow changes exceed 5%, fault icon appears. If fault exceeds 30 seconds, pump shuts down. Pump attempts to restart every 3 minutes for up to 1 hour |

#### ENVIRONMENTAL

|                    |                                |
|--------------------|--------------------------------|
| Temperature Ranges |                                |
| Operating          | 32°F to 104°F (0°C to 40°C)    |
| Storage            | -49°F to 113°F (-45°C to 45°C) |
| Charging           | 41°F to 104°F (5°C to 40°C)    |
| Humidity Ranges    |                                |
| Operating          | 0-85 %RH, non-condensing       |
| Storage            | 0-100 %RH, non-condensing      |

#### GENERAL

|                  |                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------|
| Display Messages | LAST, CAL, SHUT/OFF (Clock, Program); E, PC, P1-P6, OLD (Program)                                |
| Controls         | Power Switch, Flow Control Screw & Buttons (Clock, Program), Programming (PROG) Button (Program) |
| Indicators       | Elapsed Time (Clock, Program)                                                                    |
| Icons (LCD)      | Low Battery, Flow Fault, Clock (Clock & Program)                                                 |
| Dimensions       | 3.9W x 4.1H x 2.0D inches<br>10.0W x 9.0H x 5.1D cm                                              |
| Weight           | 22.5 oz. (638 g)                                                                                 |

#### ELECTRICAL

|                      |               |
|----------------------|---------------|
| Battery Pack         | NIMH          |
| Interface Connectors | Charging Jack |
| Charging Time        | 14-18 hours   |

#### APPROVALS/PERFORMANCE

|                                                                                                                                |  |
|--------------------------------------------------------------------------------------------------------------------------------|--|
| Intrinsic Safety - UL                                                                                                          |  |
| Class 1, Div 1, Groups A, B, C, D;<br>Class 2, E, F, G; Class 3                                                                |  |
| EMC: Emissions Standards                                                                                                       |  |
| EN 55011:2009/A1:2010 Group 1, Class A<br>ICES-003 - Issue 2 Class A<br>FCC Part 15 (per ANSI C63.4:2015) Class A Verification |  |
| EMI: Immunity Standards                                                                                                        |  |
| EN 61326-1:2013;<br>IEC 61000-4-2:2006 / EN 61000-4-2:2009;<br>IEC 61000-4-3:2006 / EN 61000-4-3:2006/A1:2008/<br>A2:2010      |  |

For complete information on this and other Gilian products, please visit our website at [www.sensidyne.com](http://www.sensidyne.com)  
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