

Gilian® 5000

Programmable 5 Liter Live Flow Air Sampling Pump



- NiMH Memory-Free Battery**
 NiMH battery ends memory problems associated with NiCad batteries. Quick-charge time in under 4 hours.
- Programmable Functionality**
 - Four stage program with repeat cycling
 - Allows scheduled sampling or intermittent duty cycles
 - Programmable delayed start
- EN 1232 Compliant**
 Meets European EN 1232 requirements for personalized sampling pump performance in workplace environments.
- Intuitive Operation with Lock-out Feature**
 Simple four-button design makes pump easier to understand and operate.
- 30-Day Calibration**
 Special flow control circuitry automatically compensates for changes in flow rate, pressure and temperature.
- Live Flow Display**
 Large display continuously shows real-time flow, total sample time and total volume sampled.
- Intrinsically Safe Certified**
 Certified Intrinsically Safe for use in explosive environments.

Ordering Information

| Description | Part Number |
|--|-------------|
| Gilian 5000 Pump Kit | 810-0801-01 |
| Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), US Cord | 910-0802-01 |
| Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), Euro Cord | 910-0802-02 |
| Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), UK Cord | 910-0802-03 |
| Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), No Cord | 910-0802-04 |
| Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), US Cord | 910-0801-01 |
| Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), Euro Cord | 910-0801-02 |
| Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), UK Cord | 910-0801-03 |
| Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), No Cord | 910-0801-04 |
| Single Station Charger (100-240VAC, 50/60Hz), US Cord | 811-0802-01 |
| Single Station Charger (100-240VAC, 50/60Hz), Euro Cord | 811-0802-02 |
| Single Station Charger (100-240VAC, 50/60Hz), UK Cord | 811-0802-03 |
| Single Station Charger (100-240VAC, 50/60Hz), No Cord | 298-0013-01 |
| Five-Unit Power Station (100-240VAC, 50/60Hz), US Cord | 811-0801-01 |
| Five-Unit Power Station (100-240VAC, 50/60Hz), Euro Cord | 811-0801-02 |
| Five-Unit Power Station (100-240VAC, 50/60Hz), UK Cord | 811-0801-03 |
| Five-Unit Power Station (100-240VAC, 50/60Hz), No Cord | 811-0801-04 |
| Battery Pack | 783-0007-01 |
| Battery Charging Cover | 202783 |
| Low Flow Adapter | 801961 |
| Filter Cassette Holder Kit | 800143 |

For complete information on the Gilian 5000 and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog.

Sensidyne, LP • 16333 Bay Vista Drive • Clearwater, Florida 33760

Tel: 800-451-9444 / 727-530-3602 • Fax: 727-539-0550 • E-mail: info@Sensidyne.com • Web: www.Sensidyne.com

Product Specifications

PERFORMANCE

| | |
|-----------------------|---|
| Flow Range | 20 - 5000 cc/min (Total*), 800 - 5000 cc/min (High Flow); 20-800 cc/min (Low Flow*) *with low flow constant pressure adapter |
| Constant Flow Control | ± 5% of set flow at 1000-5000 cc/min |
| Flow Compensation | 5000cc up to 24" H ₂ O back pressure 4000cc up to 30" H ₂ O back pressure 3000cc up to 50" H ₂ O back pressure 2000cc up to 60" H ₂ O back pressure 1000cc up to 70" H ₂ O back pressure |
| Run Time | 8 hour minimum |
| Flow Fault | If flow changes exceed 5% within back pressure specifications, 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 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 | 5-85 %RH, non-condensing |
| Storage | 5-98 %RH, non-condensing |

GENERAL

| | |
|-------------|---|
| Display | Flow Rate, Total Sample Time, Total Volume Sampled |
| Controls | POWER/ENTER, SET/CAL, ▲/CLEAR, ▼/RUN/STOP |
| Indicators | Green LED ("Normal Operation") |
| Icons (LCD) | Battery Indicator, Hold, Fault, Set, Pump |
| Dimensions | 3.2W x 5.4H x 2.3D inches 8.2W x 13.7H x 5.8D cm |
| Weight | 20.5 oz. (580 g) |

ELECTRICAL

| | |
|-------------------------|--|
| Battery Pack | Removable, Rechargeable Nickel-Metal-Hydride |
| Battery Level Indicator | Icon displays Full, Mid, & Low levels |
| Interface Connectors | Charging Jack |
| Charging Time | Under 4 hours |

APPROVALS/PERFORMANCE

| | |
|-----------------------|---|
| EN 1232 | Type P |
| Intrinsic Safety | |
| US/Canada NRTL (FM) | Class I, Div 1 Groups A, B, C, D; Class II, Div 1, Groups E, F & G; 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 |