

# Gilian<sup>®</sup> 5000

## 5 Liter Live Flow Air Sampling Pump



- Memory-Free Battery**  
 NiMH battery ends memory problems associated with NiCad batteries. Charge time under 5 hours.
- 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.

### Product Specifications

#### PERFORMANCE

Flow Range..... 20 - 5000 cc/min (Total\*),  
 1000 - 5000 cc/min (High Flow);  
 20-750 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 20" H2O back pressure  
 4000cc up to 30" H2O back pressure  
 3000cc up to 50" H2O back pressure  
 2000cc up to 60" H2O back pressure  
 1000cc up to 70" H2O 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 ..... 0-85 %RH, non-condensing  
 Storage ..... 0-98 %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  
 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, Sealed, Rechargeable Nickel-Metal-Hydride  
 Battery Level Indicator..... Icon displays Full, Mid, & Low levels  
 Interface Connectors..... Charging Jack  
 Charging Time ..... Under 5 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 ..... II 1 G  
 Eex ib IIC T4

##### CE

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

### Ordering Information

Description	Part Number
Gilian 5000 Pump Kit .....	810-0801-01
Gilian 5000 Pump 5-pack Kit, with Charger (100-240VAC, 50/60Hz), US Cord .....	910-0801-01
Single Station Charger (100-240VAC, 50/60Hz), US Cord .....	811-0802-01
Five Station Charger (100-240VAC, 50/60Hz), US Cord .....	811-0801-01
Charger Cord, US .....	297-0006-01
Battery Pack .....	783-0007-01
Battery Charging Cover .....	202783
Low Flow Adapter.....	801961
Filter Cassette Kit .....	800143

For complete information on the Gilian 5000, other Gilian products, or sampling media for Gilian pumps, please contact Zefon International at 800-282-0073 or visit [www.zefon.com](http://www.zefon.com).