

# 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.

### 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 <sub>2</sub> O back pressure 4000cc up to 30" H <sub>2</sub> O back pressure 3000cc up to 50" H <sub>2</sub> O back pressure 2000cc up to 60" H <sub>2</sub> O back pressure 1000cc up to 70" H <sub>2</sub> 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 ia IIC T4
CE	
Applicable Directives.....	ATEX 94/9/EC EMC 2004/108/EC (RFI) LVD 2006/95/EC

Gilian 5000 Datasheet  
 Rev. B 07/09