

# 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.

### 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

Part Number	Description
GIL-810-0801-01	Gilian 5000 Pump Kit
GIL-910-0802-01	Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), US Cord
GIL-910-0802-02	Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), Euro Cord
GIL-910-0802-03	Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), UK Cord
GIL-910-0802-04	Gilian 5000 Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), No Cord
GIL-910-0801-01	Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), US Cord
GIL-910-0801-02	Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), Euro Cord
GIL-910-0801-03	Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), UK Cord
GIL-910-0801-0	Gilian 5000 Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), No Cord
GIL-811-0802-01	Single Station Charger (100-240VAC, 50/60Hz), US Cord
GIL-811-0802-02	Single Station Charger (100-240VAC, 50/60Hz), Euro Cord
GIL-811-0802-03	Single Station Charger (100-240VAC, 50/60Hz), UK Cord
GIL-298-0013-01	Single Station Charger (100-240VAC, 50/60Hz), No Cord
GIL-811-0801-01	Five-Unit Power Station (100-240VAC, 50/60Hz), US Cord
GIL-811-0801-02	Five-Unit Power Station (100-240VAC, 50/60Hz), Euro Cord
GIL-811-0801-03	Five-Unit Power Station (100-240VAC, 50/60Hz), UK Cord
GIL-811-0801-04	Five-Unit Power Station (100-240VAC, 50/60Hz), No Cord
GIL-783-0007-01	Battery Pack
GIL-202783	Battery Charging Cover
GIL-801961	Low Flow Adapter
GIL-800143	Filter Cassette Holder Kit

### 30-Day Calibration

Special flow control circuitry automatically compensates for changes in flow rate, pressure and temperature.

## 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" 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

<b>Temperature Ranges</b>	
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)
<b>Humidity Ranges</b>	
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, Prog
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
<b>Intrinsic Safety</b>	
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
	Ex ia IIC T4
<b>CE</b>	
Applicable Directives	ATEX 94/9/EC
	EMC 2004/108/EC (RFI)
	LVD 2006/95/EC