

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.

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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, 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
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

Gilian 5000 Datasheet
Rev. B 07/09