

# GILIAN 3500 LIVE FLOW AIR SAMPLING PUMP



- Memory-Free Battery**  
 NiMH battery ends memory problems associated with NiCad batteries. Charge time under 5 hours.
- Intuitive Operation**  
 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.
- Special Lock-Out Feature**  
 Simple two button lock-out procedure prevents tampering during sampling.
- Live Flow Display**  
 Large display continuously shows real-time flow, total sample time and total volume sampled.

## PRODUCT SPECIFICATIONS

### PERFORMANCE

Flow Range .....	20 - 3500 cc/min (Total*), 1000 - 3500 cc/min (High Flow); 20-750 cc/min (Low Flow*) *with low flow adapter installed
Constant Flow Control .....	Better than $\pm 3\%$ of set flow (after calibration) between 1-3 LPM; $\pm 5\%$ above 3 LPM.
Flow Compensation .....	3500cc up to 12" H <sub>2</sub> O back pressure 3000cc up to 20" H <sub>2</sub> O back pressure 2500cc up to 25" H <sub>2</sub> O back pressure 2000cc up to 30" H <sub>2</sub> O back pressure 1000cc up to 30" H <sub>2</sub> O back pressure
Run Time .....	8 hour minimum
Flow Fault .....	If flow changes exceed 5%, 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 .....	Live 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 .....	19.5 oz. (553 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

CE .....

EMC Directive [EMI/RFI]:  
EN 55 022 Class B;  
IEC 801-2, 3



II 2 G  
EEx ib IIB T4

### Intrinsic Safety

UL .....	Class I, Div 1, Groups A, B, C, D; Class II, Div 1, Groups E, F, & G; Class III, T3C
cUL .....	Class I, Div 1, Groups C, D, T3C

## ORDERING INFORMATION

Description	Part Number
Gilian 3500 Pump Starter Kit (120 VAC) .....	801934-1201
Gilian 3500 Pump Starter Kit (230 VAC) [Euro plug] .....	910-0001-02
Gilian 3500 Pump Starter Kit (230 VAC) [UK plug] .....	910-0001-03
Gilian 3500 Five-Pack Kit (120 VAC) .....	801934-1205
Gilian 3500 Five-Pack Kit (230 VAC) [Euro plug] .....	910-0002-02
Gilian 3500 Five-Pack Kit (230 VAC) [UK plug] .....	910-0002-03
Single-Station Charger (120 VAC) .....	402289-1
Single-Station Charger (230 VAC) [Euro plug] .....	402290-1
Single-Station Charger (230 VAC) [UK plug] .....	402290-2
Five-Station Charger [U.S. cord] .....	811-0011-01
Five-Station Charger [Euro cord] .....	811-0011-02
Five-Station Charger [no cord] .....	811-0011-03
Battery Pack .....	801930
Battery Charging Jack Cover .....	202783
Low Flow Adapter .....	801961
Pulsation Dampener .....	801979
Fixed Mount Assembly .....	801980
Filter Cassette Kit .....	800143

For a complete listing of pump models, kit configurations, and pump accessories, refer to the Gilian Catalog.

For complete information on this pump and other Gilian products, please call 800-451-9444, ext 782 and ask for our full product catalog.

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