

Gilian³⁵⁰⁰

3.5 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**
 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" H2O back pressure 3000cc up to 20" H2O back pressure 2500cc up to 25" H2O back pressure 2000cc up to 30" H2O back pressure 1000cc up to 30" H2O 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.....	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.....	19.5 oz. (553 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 5 hours

APPROVALS/PERFORMANCE

CE	EMC Directive [EMI/RFI]: EN 55 022 Class B; IEC 801-2, 3
ATEX.....	Ⓢ 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 1, 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).....	910-0002-01
Gilian 3500 Five-Pack Kit (230 VAC) [Euro plug]	910-0002-04
Gilian 3500 Five-Pack Kit (230 VAC) [UK plug]	910-0002-05
Single-Station Charger (120 VAC)	811-0808-01
Single-Station Charger (230 VAC) [Euro plug]	811-0802-02
Single-Station Charger (230 VAC) [UK plug].....	811-0802-03
Five-Station Charger [U.S. cord]	811-0801-01
Five-Station Charger [Euro cord]	811-0801-02
Five-Station Charger [no cord].....	811-0801-03
Battery Pack.....	801930
Battery Charging Jack Cover	202783
Low Flow Adapter.....	801961
Pulsation Dampener	801979
Fixed Mount Assembly	801980
Filter Cassette Kit.....	800143

For complete information on the Gilian 3500 and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog.