

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 ₂ O back pressure 3000cc up to 20" H ₂ O back pressure 2500cc up to 25" H ₂ O back pressure 2000cc up to 30" H ₂ O back pressure 1000cc up to 30" H ₂ 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
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II 2 G
Ex 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