

# Gilian® 10i High Flow Personal Air Sampling Pump



- Higher Flow Applications**  
The high flow capability of the Gilian 10i enables sampling capability for applications with flow rates between 4 LPM and 10 LPM.
- NiMH Memory-Free Battery**  
NiMH battery with quick-charge time in under 4 hours. Eliminates shipping and disposal issues.
- Programmable Functionality**

  - Four stage program with repeat cycling
  - Allows scheduled sampling or intermittent duty cycles
  - Programmable delayed start
- 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. Special flow control circuitry automatically compensates for changes in flow rate, back-pressure and temperature.
- Intrinsically Safe Certified**  
Certified Intrinsically Safe for use in explosive environments.
- Power Module Accessory**  
Continuous run on live power for indefinite length sampling.

## Ordering Information

Description	Part Number
Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), US Cord	910-1501-US*
Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), US Cord	910-1505-US*
Single Station Charger (100-240VAC, 50/60Hz), US Cord	811-0802-01*
Five-Unit Power Station (100-240VAC, 50/60Hz), US Cord	811-0801-01*
Power Module (Gilian 500/800i/10i), US Cord	811-9961-US*
Battery Pack	783-0007-01
Battery Charging Cover	202783-R

\* Also available with EU or UK cord for power supply

For complete information on the Gilian 10i and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog.

## Product Specifications

### PERFORMANCE

Flow Range	4.00 – 10.00 LPM
Constant Flow Control	± 5% of set flow at 4-10 LPM
Flow Compensation	Up to 5-hours at:
	4 LPM up to 45" H <sub>2</sub> O back pressure
	5 LPM up to 40" H <sub>2</sub> O back pressure
	6 LPM up to 34" H <sub>2</sub> O back pressure
	7 LPM up to 28" H <sub>2</sub> O back pressure
	8 LPM up to 22" H <sub>2</sub> O back pressure
	9 LPM up to 18" H <sub>2</sub> O back pressure
	10 LPM up to 12" H <sub>2</sub> O back pressure
Run Time	8-hours minimum at:
	4 LPM up to 24" H <sub>2</sub> O back pressure
	5 LPM up to 20" H <sub>2</sub> O back pressure
	6 LPM up to 18" H <sub>2</sub> O back pressure
	7 LPM up to 15" H <sub>2</sub> O back pressure
	8 LPM up to 12" H <sub>2</sub> O back pressure
	9 LPM up to 11" H <sub>2</sub> O back pressure
	10 LPM up to 8" H <sub>2</sub> O back pressure
Flow Fault	If flow changes exceed 5% of set flow 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 30 min.

### 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 Max	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 (normal operation)	Live Flow, Elapsed Time & 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	23 oz. (654 g)

### ELECTRICAL

Battery Pack	Removable, Sealed, Rechargeable Nickel-Metal-Hydride (6 cells)
Battery Level Indicator	Icon displays Full, Mid, & Low levels
Interface Connectors	Charging Jack
Charging Time	Under 4 hours

### APPROVALS/PERFORMANCE

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

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