

# 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 4LPM 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.



### Ordering Information

Part Number	Description
<b>GIL-910-1501-US</b>	Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), US Cord
<b>GIL-910-1501-EU</b>	Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), Euro Cord
<b>GIL-910-1501-UK</b>	Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), UK Cord
<b>GIL-910-1505-US</b>	Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), US Cord
<b>GIL-910-1505-EU</b>	Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), Euro Cord
<b>GIL-910-1505-UK</b>	Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), UK Cord
<b>GIL-811-0802-01</b>	Single Station Charger (100-240VAC, 50/60Hz), US Cord
<b>GIL-811-0802-02</b>	Single Station Charger (100-240VAC, 50/60Hz), Euro Cord
<b>GIL-811-0802-03</b>	Single Station Charger (100-240VAC, 50/60Hz), UK Cord
<b>GIL-811-0801-01</b>	Five-Unit Power Station (100-240VAC, 50/60Hz), US Cord
<b>GIL-811-0801-02</b>	Five-Unit Power Station (100-240VAC, 50/60Hz), Euro Cord
<b>GIL-811-0801-03</b>	Five-Unit Power Station (100-240VAC, 50/60Hz), UK Cord
<b>GIL-783-0007-01</b>	Battery Pack
<b>GIL-202783</b>	Battery Charging Cover

## 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 50" H2O back pressure
	5 LPM up to 40" H2O back pressure
	6LPM up to 34" H2O back pressure
	7LPM up to 24" H2O back pressure
	8LPM up to 22" H2O back pressure
	9LPM up to 20" H2O back pressure
	10LPM up to 14" H2O back pressure
Run Time 8-hours minimum at:	4 LPM up to 32" H2O back pressure
	5 LPM up to 26" H2O back pressure
	6LPM up to 23" H2O back pressure
	7LPM up to 21" H2O back pressure
	8LPM up to 20" H2O back pressure
	9LPM up to 15" H2O back pressure
	10LPM up to 11" H2O back pressure
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 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	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-Hydrde
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	Ⓔ II 1 G
	Ex ia IIC T4
CE	
Applicable Directives	ATEX 94/9/EC
	EMC 2004/108/EC (RFI)
	LVD 2006/95/EC