

# Gilian® 800i

## Powerful Low Flow Personal Air Sampling Pump



- Ideal for EPA VOC's Monitoring**  
 Back pressure and flow range well suited for EPA method monitoring of volatile organic compounds.
- 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
- EN 1232 Compliant**  
 Meets European EN 1232 requirements for Type-G personalized sampling pump performance in workplace environments.
- 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 hazardous environments.

### Ordering Information

Description	Part Number
Gilian 800i Pump Kit	810-1301-01
Gilian 800i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), US Cord	910-1301-US
Gilian 800i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), Euro Cord	910-1301-EU
Gilian 800i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), UK Cord	910-1301-UK
Gilian 800i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), US Cord	910-1305-US
Gilian 800i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), Euro Cord	910-1305-EU
Gilian 800i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), UK Cord	910-1305-EK
Single Station Charger (100-240VAC, 50/60Hz), US Cord	811-0802-01
Single Station Charger (100-240VAC, 50/60Hz), Euro Cord	811-0802-02
Single Station Charger (100-240VAC, 50/60Hz), UK Cord	811-0802-03
Five-Unit Power Station (100-240VAC, 50/60Hz), US Cord	811-0801-01
Five-Unit Power Station (100-240VAC, 50/60Hz), Euro Cord	811-0801-02
Five-Unit Power Station (100-240VAC, 50/60Hz), UK Cord	811-0801-03
Battery Pack	783-0007-01
Battery Charging Cover	202783-R

### Product Specifications

#### PERFORMANCE

Flow Range	200 - 800 cc/min
Constant Flow Control	± 5% of set flow at 200-800 cc/min
Flow Compensation	200cc up to 80" H <sub>2</sub> O back pressure 400cc up to 80" H <sub>2</sub> O back pressure 600cc up to 80" H <sub>2</sub> O back pressure 800cc up to 80" H <sub>2</sub> O back pressure
Run Time	8 hour minimum
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-Hydride
Battery Level Indicator	Icon displays Full, Mid, & Low levels
Interface Connectors	Charging Jack
Charging Time	Under 4 hours

#### APPROVALS/PERFORMANCE

EN 1232	Type G
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

Gilian 800i Datasheet Rev. B 12/22

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

