

# 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

### 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-Hydrate
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

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

