

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.

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 ₂ O back pressure
	400cc up to 80. H ₂ O back pressure
	600cc up to 80. H ₂ O back pressure
	800cc up to 80. H ₂ 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.



Ordering Information

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

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	Green LED ("Normal Operation")
Icons (LCD)	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	Ⓔ II 1 G
	Ex ia IIC T4
CE	
Applicable Directives	ATEX 94/9/EC
	EMC 2004/108/EC (RFI)
	LVD 2006/95/EC