

GILIAN 12

High Flow Personal Air Sampling Pump

Higher Flow Applications

The high flow capability of the Gilian 12 enables sampling capability for applications with flow rates between 4LPM and 12 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.

Ordering Information

Part Number	Description
GIL-910-1601-EU	Gilian 12 Starter Kit - EU Cord
GIL-910-1601-NO	Gilian 12 Starter Kit - No Cord
GIL-910-1601-UK	Gilian 12 Starter Kit - UK Cord
GIL-910-1601-US	Gilian 12 Starter Kit - US Cord
GIL-910-1605-EU	Gilian 12 Five Pack Kit - EU Cord
GIL-910-1605-NO	Gilian 12 Five Pack Kit - No Cord
GIL-910-1605-UK	Gilian 12 Five Pack Kit - UK Cord
GIL-910-1605-US	Gilian 12 Five Pack Kit - US Cord
GIL-811-0802-01	Gilian 12 Single Charger 100-240Vac, 50-60 Hz, US Cord
GIL-811-0802-02	Gilian 12 Gilian 12 Single Charger 100-240Vac, 50-60 Hz, Euro Cord
GIL-811-0802-03	Single Charger 100-240Vac, 50-60 Hz, UK Cord
GIL-298-0013-01	Gilian 12 Single Charger 100-240Vac, 50-60 Hz, No Cord
GIL-783-0017-01	Battery Pack
GIL-811-1501-01	Tubing, 36" ID, 3/8" ID
GIL-811-1502-01	Filter Screen (with O-Ring)



Performance

Flow Range	4.00 – 12.00 LPM
Constant Flow Control	± 5% of set flow at 4-12 LPM
Flow Compensation Up to 5-hours at:	4 LPM up to 67" H ₂ O back pressure 5 LPM up to 57" H ₂ O back pressure 6LPM up to 48" H ₂ O back pressure 7LPM up to 40" H ₂ O back pressure 8LPM up to 33" H ₂ O back pressure 9LPM up to 28" H ₂ O back pressure 10LPM up to 23" H ₂ O back pressure 11LPM up to 18" H ₂ O back pressure 12LPM up to 14" H ₂ O back pressure
Run Time 8-hours minimum at:	4 LPM up to 45" H ₂ O back pressure 5 LPM up to 38" H ₂ O back pressure 6LPM up to 32" H ₂ O back pressure 7LPM up to 27" H ₂ O back pressure 8LPM up to 22" H ₂ O back pressure 9LPM up to 18" H ₂ O back pressure 10LPM up to 15" H ₂ O back pressure 11LPM up to 12" H ₂ O back pressure 12LPM up to 10" H ₂ O 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	0-85 %RH, non-condensing
Storage	0-98 %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	19.5 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

CE Mark 0518
