

# 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

Description	Part Number
Gilian 12 Starter Kit - EU Cord .....	910-1601-EU
Gilian 12 Starter Kit - No Cord .....	910-1601-NO
Gilian 12 Starter Kit - UK Cord .....	910-1601-UK
Gilian 12 Starter Kit - US Cord .....	910-1601-US
Gilian 12 Five Pack Kit - EU Cord .....	910-1605-EU
Gilian 12 Five Pack Kit - No Cord.....	910-1605-NO
Gilian 12 Five Pack Kit - UK Cord.....	910-1605-UK
Gilian 12 Five Pack Kit - US Cord.....	910-1605-US
Gilian 12 Single Charger 100-240Vac, 50-60 Hz, US Cord.....	811-0802-01
Gilian 12 Single Charger 100-240Vac, 50-60 Hz, Euro Cord.....	811-0802-02
Single Charger 100-240Vac, 50-60 Hz, UK Cord.....	811-0802-03
Gilian 12 Single Charger 100-240Vac, 50-60 Hz, No Cord.....	298-0013-01
Battery Pack.....	783-0018-01
Filter Screen (with O-Ring) .....	811-1501-01

For complete information on the Gilian 12 and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog.

### Product Specifications

#### 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 <sub>2</sub> O back pressure 5 LPM up to 57" H <sub>2</sub> O back pressure 6LPM up to 48" H <sub>2</sub> O back pressure 7LPM up to 40" H <sub>2</sub> O back pressure 8LPM up to 33" H <sub>2</sub> O back pressure 9LPM up to 28" H <sub>2</sub> O back pressure 10LPM up to 23" H <sub>2</sub> O back pressure 11LPM up to 18" H <sub>2</sub> O back pressure 12LPM up to 14" H <sub>2</sub> O back pressure
Run Time.....	8-hours minimum at: 4 LPM up to 45" H <sub>2</sub> O back pressure 5 LPM up to 38" H <sub>2</sub> O back pressure 6LPM up to 32" H <sub>2</sub> O back pressure 7LPM up to 27" H <sub>2</sub> O back pressure 8LPM up to 22" H <sub>2</sub> O back pressure 9LPM up to 18" H <sub>2</sub> O back pressure 10LPM up to 15" H <sub>2</sub> O back pressure 11LPM up to 12" H <sub>2</sub> O back pressure 12LPM up to 10" H <sub>2</sub> 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.....	Charging Jack
Charging Time .....	Under 4 hours

#### APPROVALS/PERFORMANCE

CE Mark 0518

