

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 |
| Battery Charging Cover..... | 202783-R |

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 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..... | Charging Jack |
| Charging Time | Under 4 hours |

APPROVALS/PERFORMANCE

CE Mark 0518

Gilian 12 Datasheet Rev.C 122922

