

Gilian® 10i High Flow Personal Air Sampling Pump



• Higher Flow Applications

The high flow capability of the Gilian 10i enables sampling capability for applications with flow rates between 4 LPM and 10 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.

• Intrinsically Safe Certified

Certified Intrinsically Safe for use in explosive environments.

• Power Module Accessory

Continuous run on live power for indefinite length sampling.

NEW

Ordering Information

| Description | Part Number |
|---|--------------|
| Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), US Cord | 910-1501-US* |
| Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), US Cord | 910-1505-US* |
| Single Station Charger (100-240VAC, 50/60Hz), US Cord | 811-0802-01* |
| Five-Unit Power Station (100-240VAC, 50/60Hz), US Cord | 811-0801-01* |
| Power Module (Gilian 500/800i/10i), US Cord | 811-9961-US* |
| Battery Pack | 783-0007-01 |
| Battery Charging Cover | 202783 |

* Also available with EU or UK cord for power supply

For complete information on the Gilian 10i and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog.

Product Specifications

PERFORMANCE

| | |
|-----------------------------|---|
| Flow Range | 4.00 – 10.00 LPM |
| Constant Flow Control | ± 5% of set flow at 4-10 LPM |
| Flow Compensation | Up to 5-hours at: |
| | 4 LPM up to 48" H ₂ O back pressure |
| | 5 LPM up to 40" H ₂ O back pressure |
| | 6 LPM up to 34" H ₂ O back pressure |
| | 7 LPM up to 28" H ₂ O back pressure |
| | 8 LPM up to 22" H ₂ O back pressure |
| | 9 LPM up to 18" H ₂ O back pressure |
| | 10 LPM up to 12" H ₂ O back pressure |
| Run Time | 8-hours minimum at: |
| | 4 LPM up to 28" H ₂ O back pressure |
| | 5 LPM up to 25" H ₂ O back pressure |
| | 6 LPM up to 22" H ₂ O back pressure |
| | 7 LPM up to 20" H ₂ O back pressure |
| | 8 LPM up to 18" H ₂ O back pressure |
| | 9 LPM up to 12" H ₂ O back pressure |
| | 10 LPM up to 8" 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 Max | 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 (normal operation) | Live Flow, Elapsed Time & Volume Sampled |
| Controls | POWER/ENTER, SET/CAL, ▲/CLEAR, ▼/RUN/STOP |
| Indicators | Green LED ("Normal Operation") |
| Icons (LCD) | Battery Indicator, Hold, Fault, Set |
| Dimensions | 3.2W x 5.4H x 2.3D inches |
| | 8.2W x 13.7H x 5.8D cm |
| Weight | 23 oz. (654 g) |

ELECTRICAL

| | |
|-------------------------------|--|
| Battery Pack | Removable, Sealed, Rechargeable Nickel-Metal-Hydrate (6 cells) |
| Battery Level Indicator | Icon displays Full, Mid, & Low levels |
| Interface Connectors | Charging Jack |
| Charging Time | Under 4 hours |

APPROVALS/PERFORMANCE

| | |
|-----------------------------|---|
| 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 ia IIC T4 |
| CE | |
| Applicable Directives | ATEX 94/9/EC EMC 2004/108/EC (RFI) LVD 2006/95/EC |

Gilian 10i Datasheet Rev. E 121919

