

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 4LPM 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.

Ordering Information

Description	Part Number
Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), US Cord	910-1501-US
Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), Euro Cord	910-1501-EU
Gilian 10i Pump Starter Kit, with Charger (100-240VAC, 50/60Hz), UK Cord	910-1501-UK
Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), US Cord	910-1505-US
Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), Euro Cord	910-1505-EU
Gilian 10i Pump 5-pack Kit, with Power Station (100-240VAC, 50/60Hz), UK Cord	910-1505-UK
Single Station Charger (100-240VAC, 50/60Hz), US Cord	811-0802-01
Single Station Charger (100-240VAC, 50/60Hz), Euro Cord	811-0802-02
Single Station Charger (100-240VAC, 50/60Hz), UK Cord	811-0802-03
Five-Unit Power Station (100-240VAC, 50/60Hz), US Cord	811-0801-01
Five-Unit Power Station (100-240VAC, 50/60Hz), Euro Cord	811-0801-02
Five-Unit Power Station (100-240VAC, 50/60Hz), UK Cord	811-0801-03
Battery Pack	783-0007-01
Battery Charging Cover	202783

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 50" 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 24" H ₂ O back pressure 8 LPM up to 22" H ₂ O back pressure 9 LPM up to 20" H ₂ O back pressure 10 LPM up to 14" H ₂ O back pressure
Run Time	8-hours minimum at: 4 LPM up to 32" H ₂ O back pressure 5 LPM up to 26" H ₂ O back pressure 6 LPM up to 23" H ₂ O back pressure 7 LPM up to 21" H ₂ O back pressure 8 LPM up to 20" H ₂ O back pressure 9 LPM up to 15" H ₂ O back pressure 10 LPM up to 11" 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	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, Pump
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	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 II 1 G Ex ia IIC T4
CE	
Applicable Directives	ATEX 94/9/EC EMC 2004/108/EC (RFI) LVD 2006/95/EC

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