LFS-113
Dual Mode Low Flow Sampling Pump

The Gilian LFS-113 low flow sampler is the most powerful and reliable pocket sized personal air sampler available today. The LFS-113 offers two sampling modes selectable by the user. The constant flow control mode holds the flow within +/-5% of the set flow. The multi-flow (constant pressure control) mode allows multiple samples to be taken simultaneously. No other pocket sized pump matches the wide flow range and high back pressure capability of the LFS-113. Basic and a clock models are available in both UL and ATEX versions.

**Product Specifications**

**PERFORMANCE**

- **Flow Range**: 1-350cc/min
- **Low Flow Range**:
  - Constant Flow: 20-200cc/min, to 25" H₂O
  - Constant Pressure (Multi Flow): 1-350cc/min, to 18±3" H₂O
- **Constant Flow Control**: Better than ±5% of set flow (after calibration)
- **Run Time**: 8 hour minimum
- **Flow Fault**: If flow changes exceed 5%, fault icon appears. If fault exceeds 30 seconds, pump shuts down. Clock [Timer] model will retain sample time during fault shutdown.

**ENVIRONMENTAL**

- **Temperature Ranges**:
  - Operating: -20°C to 45°C (-4°F to 113°F)
  - Storage: -40°C to 45°C (-40°F to 113°F)
  - Charging: -40°C to 45°C (-40°F to 113°F)
- **Humidity Ranges**:
  - Operating: 0-85 %RH, non-condensing
  - Storage: 0-100 %RH, non-condensing

**GENERAL**

- **Features**:
  - Dual filtration system, sorbent tube end breaker, belt clip
  - Power Switch, Flow Control Screw
  - Flow Fault, Battery Check Icons (LCD)
  - Elapsed Time (DC model only)
  - Dimensions: 2.50W x 4.63H x 1.38D inches
  - Weight: 340 g (12 oz)

**ELECTRICAL**

- **Battery Pack**: Rechargeable NiMH
- **Charging Jack**: Charging Time: 14-18 hours

**APPROVALS**

- CSA
- CE
- EMC Directive [EMI/RFI]: EN 55 022 Class B; IEC 801-2, 3
- ATEX:
  - I I 2 G
  - EEx ib IIC T4

© 2013 Sensidyne, LP H&S Rev D 0613

For more information on this pump and other Gilian products, please call 800-451-9444, ext 782 and ask for our Gilian product catalog.