Gilian LFS-113
Dual Mode Low Flow Sampling Pump

Gilian ®

LFS-113 FEATURES
- Dual Mode Operation
- Flow Fault Indicator
- Timer Option (DC Model)
- Battery Check LED

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.

Product Specifications

PERFORMANCE

Flow Range.......................1- 350cc/min
Low Flow Range ....Constant Flow: 20-200cc/min, to 25" H_2O
Constant Pressure (Multi Flow): 1-350cc/min, to 18±3" H_2O
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
Controls ....Power Switch, Flow Control Screw
Indicators ....Flow Fault, Battery Check
Icons (LCD).......................Elapsed Time (DC model only)
Dimensions ....6.35W x 11.76H x 3.51D cm
2.50W x 4.63H x 1.38D inches
Weight...............................340 g (12.0 oz.)

ELECTRICAL

Battery Pack ....Rechargeable NiMH [ATEX]
Rechargeable NiCad [UL]
  Note: *Battery packs are not interchangable between models.*
Interface Connectors ....Charging Jack

APPROVALS

CSA

CE....................................EMC Directive [EMI/RFI]:
EN 55 022 Class B; IEC 801-2, 3
ATEX:
⟨Ex⟩ II 2 G
EEx ib IIC T4

Ordering Information

LFS-113 Air Sampling Pumps
LFS-113 D Pump, Basic [ATEX] 810-0301-02
LFS-113 DC Pump, Clock [ATEX] 810-0302-02

LFS-113 Starter Kits
LFS-113 D Pump, Basic [ATEX], Starter Kit, 230V, Euro style plug 910-0301-02
LFS-113 DC Pump, Clock [ATEX], Starter Kit, 230V, Euro style plug 910-0303-02

LFS-113 Five-Pack Kits
LFS-113 D Pump, Basic [ATEX] (with 5-Unit Charger), 230V, Euro style plug........910-0302-02
LFS-113 DC Pump, Clock [ATEX] (with 5-Unit Charger), 230V, Euro style plug 910-0304-02

LFS-113 Spares & Accessories
5-Unit Charger, 230V, Euro style plug 400373
Single Unit Charger, 230V, US style plug 400198
Single Unit Charger, 230V, Euro style plug [CE] 400198-1
Battery Pack, 230V NiMH [ATEX]..783-0003-01
Tool Kit.. 800222
Air Boss Kit (required for bag sampling).. 800685
Carrying Case (18" x 13" x 7").. 800400

Gas-Detection

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