

# Gilian® GilAir-5

## Constant Flow Air Sampling Pump



- External Filter Housing**  
Clear External filter housing allows an immediate visual inspection of filter's condition.
- Flow Fault & Test Indicators**  
Flow Fault indicator lights up if unit operates outside  $\pm 5\%$  of set flow rate. Battery Test indicator lights up when battery can provide a minimum of 8 hours of operation over operating range.
- Basic, Clock, & Program Models**  
Basic model is easy to use. Clock model provides elapsed-time clock display. Program model provides auto start-stop and delayed start times up to 9999 mins.
- Optional Low Flow Modules**  
Constant Low Flow module allows sampling from 5-500 cc/min. Constant Pressure (Multiflow) Module allows sampling from 1-750 cc/min.

### Ordering Information

Description	UL NiCad	UL NiMH	ATEX NiMH
GilAir-5 R Sampling Pump, Basic	800883-111	800883-171	810-0101-02
GilAir-5 RC Sampling Pump, Clock	800885-111	800885-171	810-0102-02
GilAir-5 RP Sampling Pump, Program	800884-111	800884-171	810-0203-02
GilAir-5 R Sampling Pump, Basic, Starter Kit, 120V	800883-111-1201	800883-171-1201	--
GilAir-5 RC Sampling Pump, Clock, Starter Kit, 120V	800885-111-1201	800885-171-1201	--
GilAir-5 RP Sampling Pump, Program, Starter Kit, 120V	800884-111-1201	800884-171-1201	--
GilAir-5 R Sampling Pump, Basic, Starter Kit, 230V	800883-111-2301	800883-171-2301	910-0101-02
GilAir-5 RC Sampling Pump, Clock, Starter Kit, 230V	800885-111-2301	800885-171-2301	910-0104-02
GilAir-5 RP Sampling Pump, Program, Starter Kit, 230V	800884-111-2301	800884-171-2301	910-0107-02
Single-Station Charger (120 VAC)	298-0006-01	298-0006-01	--
Single-Station Charger (230 VAC) [euro plug]	401225-1	401225-1	401225-1
Five-Station Charger (120 VAC)	850069	850069	--
Five-Station Charger (230 VAC)	850070	850070	850070
Replacement Battery Pack	800869	783-0009-02	783-0009-01
Low Flow Module, Constant Flow, Blue	800518	800518	800518
Low Flow Module, Multi-Flow, Blue	800519	800519	800519

Note: UL models available with with NiCad or NiMH battery packs; ATEX models come with NiMH.  
For complete information on this and other Gilian products, please call 800-451-9444, ext 782 and ask for our catalog.

### Product Specifications

#### PERFORMANCE

Flow Range.....	1- 5000 cc/min (Total), 850 - 5000 cc/min (High Flow); 5-500 cc/min (Constant Low Flow); 1-750 cc/min (Constant Pressure)
Constant Flow Control .....	$\pm 5\%$ of set flow at 1000-5000 cc/min
Flow Compensation .....	5000cc up to 8" H2O back pressure 4000cc up to 18" H2O back pressure 3000cc up to 23" H2O back pressure 850cc up to 29" H2O back pressure
Run Time .....	8 hour minimum
Flow Fault .....	If flow changes exceed 5%, fault icon appears. If fault exceeds 30 seconds, pump shuts down. Pump attempts to restart every 3 minutes for up to 1 hour

#### ENVIRONMENTAL

Temperature Ranges	
Operating .....	32°F to 104°F (0°C to 40°C)
Storage .....	-49°F to 113°F (-45°C to 45°C)
Charging .....	41°F to 104°F (5°C to 40°C)
Humidity Ranges	
Operating .....	0-85 %RH, non-condensing
Storage .....	0-100 %RH, non-condensing

#### GENERAL

Display Messages.....	LAST, CAL, SHUT/OFF (Clock, Program); E, PC, P1-P6, OLD (Program)
Controls.....	Power Switch, Flow Control Screw & Buttons (Clock, Program), Programming (PROG) Button (Program)
Indicators .....	Elapsed Time (Clock, Program)
Icons (LCD).....	Low Battery, Flow Fault, Clock (Clock & Program)
Dimensions .....	3.9W x 4.1H x 2.0D inches 10.0W x 9.0H x 5.1D cm
Weight.....	22.5 oz. (638 g)

#### ELECTRICAL

Battery Pack.....	UL: NiCad or NiMH ATEX: NiMH
Interface Connectors.....	Charging Jack
Charging Time .....	14-18 hours

#### APPROVALS/PERFORMANCE

CE .....	EMC EMI/RFI, EN 55 022 Class B; IEC 801-2, 3
Intrinsic Safety	
UL .....	Class I, Div 1, Groups A, B, C, D; T3C
CENELEC.....	EEx ia IIC T4 (ATEX models)