



# Quick-Start Guide (This Manual Covers All Gilibrator<sup>®</sup> 3 Kit Models)

Sensidyne Document No. 360-0216-01 - Rev C



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### How to Use this Guide

This Quick-Start Guide introduces basic operation and use of the Gilibrator<sup>®</sup> 3 primary dry cell calibrator. Operation Manual (PN 360-0213-01) includes complete operation instructions, options, and notes. Always adhere to warnings, instructions, and procedures included in the Operation Manual. The Operation Manual can be found on the included SD card.

#### **Cautions**:

**Intrinsic Safety:** The Gilibrator<sup>®</sup> 3 calibrator is not intrinsically safe, and should only be utilized in safe atmospheric conditions. Please refer to the Operation Manual for special conditions.

**Charger:** Use only the included charger to charge the Gilibrator<sup>®</sup> 3 within the specified temperature range.

#### **Screen and Touch Selections Overview**

The Gilibrator<sup>®</sup> 3 has a color touch screen that allows the user to select and configure the calibrator to the user's desired settings. References to pump displays and menu screens use the names and label styles below:



#### Home Screen



#### Settings Sampling Screen

Ø	Engl	ish	٩		Γ	Auto	A
1	°F	°C		in/H	20	mmHg	Γ
$\approx$	cc/min	L/min		kP	a	hPa	
	M/D/Y	DIMIY		(			\$*
Sa	ampling		Display	/	Mair	itenance	0

**Settings Display Screen** 



#### **Settings Maintenance Screen**

Most Recent Reports 🔹 🛉 🔍				
Date and Time	Sample I	ID		
05/14/2018 11:59	MANUA	xL-2		
05/14/2018 11:53	MANUA	VL-1		
05/07/2018 11:08	TEST 14	4		
05/01/2018 10:33	AWA TI	EST		**
02/28/2018 08:43	TEST5			**
02/28/2018 08:41	TEST4			
Delete All D	elete	Preview	Export	0

#### **Report Screen**

	Base	Flow Cell			
Serial Number	1708005	1708010DL			
Last Calibration	08/07/2017	08/07/2017			
Calibration Due	08/07/2018	08/07/2018			
Cycle Count	172400	001937	19		
Firmware Version	V1.0 R1300	V1.1 R1048			
Battery Health	Battery Health 4350/4350(100%) 11/27/2017				
Filter Health 2.3/0.3(0%) 05/07/2018					
For help or service on any Sensidyne product, please contact us on our website or via phone 800-451-9444/+1 727-530-3602 info@sensidyne.com					

**Information Screen** 



## **Operation Guide**

#### Power Calibrator On and Off Calibrator should be fully charged before use.

#### **Power Calibrator On and Off**

Toggle the On/Off switch to the On position. The system will boot up and automatically go to the home screen. Toggle the On/Off switch to the Off position, a pop up window will appear and 3 seconds later the unit will turn off.



#### **Configure Unit**

- 1. From the Home Screen, select Settings Icon \*\*\* on the menu bar.
- 2. Press the Sampling tab on the bottom of the screen. Select either Averaging or Continuous mode.
- Select the Display tab on the bottom of the screen. Then select the desired reporting units cc/min or L/min. Select the desired date format and press the Set Clock button to adjust the time and date to your local setting. Select the desired Pressure Unit. Select the desired Language. Select the desired Temperature Unit.
- 4. Press the **Home Icon n** on the menu bar.

#### **Set Up Calibrator**

- 1. Attach the desired Dry Cell (Low, Standard, High).
- Attach sampling train hose (Media and Pump) to the Suction fitting located on the lower right side of the calibrator.



**3.** Activate the pump in the calibration mode and follow the calibrations steps. The initial readings will begin to appear on the **Home Screen**.

Note: Do not have flow source running when unit is powered on. The base must acclimate to the ambient temperature prior to starting the airflow.



Select the Play Button and begin to average your sample count. The Flow Average will appear on the top right side of the Home Screen.

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#### Reports

- 1. From the **Home Screen**, select **Save Icon** on the menu bar.
- 2. Select a recently used pump, or skip to set up a new pump in the system.
- 3. Complete the **Sample Identification** input information.

Pump Model		S AVE
Pump SN		SAVE
Sample ID		CANCEL
Operator	AWA	CANCLE

- 4. Press the Pump Model box and a Keyboard Screen will appear. Enter in your pump model and select Next on the top right of the screen. Enter in the pump serial number and select Next on the top right of the screen. Enter in the sample ID number and select Next on the top right of the screen. Enter in the operator name and select Done on the top right of the screen. Select Save.
- 5. From the Home Screen, select Report Icon C on the menu bar.



6. Select the desired report line. The report line will become highlighted in dark blue. Select **Preview** to view the report.



 Press the Up and Down buttons to scroll through the report. Press the Exit button to return to the Report Screen. Press Export to save to the SD card.



## **Icon Glossary**

Ŧ	Arrow Down (Scroll Down)	50	Export to SD Card	Veni	Leak Test	**	Settings Screen
1	Arrow Up (Scroll Up)	V	Filter Health Check	*	Manual Save to SD Card	μ, zZ	Sleep Timer
A	Automatic Save to SD Card		Firmware Update		Play Button (Start Sample)	⋒⋺⋠	Ship Gilibrator (Drain Power)
V.	Battery Health Check	<b>[</b> ]	Flow Rate Units		Pressure Units	20-	Statistical Analysis
100%	Battery Life		Gilibrator 2 Communication		Report Screen		Stop Button
٢	Brightness Display Setting		Gilibrator 3 Communication	Ċ	Reset Average		STP References
	Date Format		Home Screen	<b>(#)</b>	Sample Count	ŧ	Temperature Units
	Communication Method	0	Information Screen	8	Save Record		Time and Date Setup
<b>1</b>	Dry Calibrator Communication	RA	Language Selection	•••	Set Custom Sample Count	0≠ <u>⊙</u> €	Zero Pressure Check

### Maintenance

**Battery**: The Gilibrator<sup>®</sup> 3 employs a rechargeable lithium iron phosphate (LiFePO<sub>4</sub>) battery. Fully charging and properly maintaining the battery ensures maximum run times and battery life. The battery pack has a charge time of less than 4 hours.

## **Specifications**

Low Flow Dry Cell:5cc/min - 450cc/minStandard Flow Dry Cell:50 cc/min - 5000 cc/minHigh Flow Dry Cell:1,000 cc/min - 30,000 cc/minOperating Temperature range:10°C - 40°COperating Time:3 hours at max flow rates per cell range, Up to 8 hours with low brightness and average flow ranges.

# Approvals

The Gilibrator<sup>®</sup> 3 is EN 61010-1, CE, RoHS and EMC compliant. The Gilibrator<sup>®</sup> 3 contains an internal battery which has been approved for shipping and transport per UN/DOT 38.3 and IEC 62133-2 (2<sup>nd</sup> Edition).