

Gilian® Go-Cal™ *Pro*



AIR FLOW CALIBRATORS

Quick-Start Guide

(This Quick-Start Guide Covers All Go-Cal *Pro* Models)

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SENSIDYNE®
Industrial Health & Safety Instrumentation

1000 112TH Circle N, Suite 100 • St. Petersburg, FL 33716 USA

(800) 451-9444 • +1 (727) 530-3602

www.Sensidyne.com • info@Sensidyne.com

How to Use this Guide

This Quick-Start Guide introduces basic operation and use of the Go-Cal Pro Air Flow Calibrator. The Operation Manual (PN 360-0266-01), which can be found on the included flash drive, contains complete instructions, options, and notes. Always adhere to warnings, cautions and procedures included in the Operation Manual.

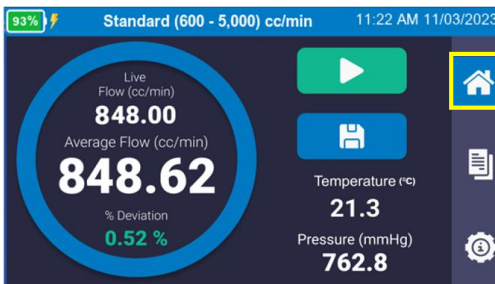
Cautions:

Intrinsic Safety: The Go-Cal Pro Air flow Calibrator is not intrinsically safe, and should only be utilized in safe atmospheric conditions. Please refer to the Operation Manual for special conditions.

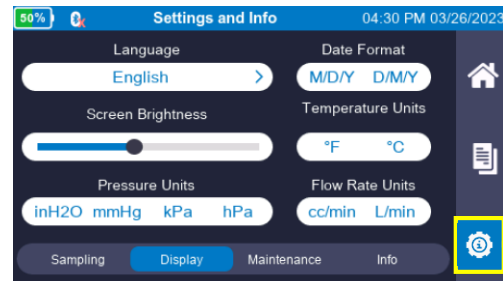
Charger: Use only the included charger and USB cable to charge the Go-Cal Pro within the specified temperature range.

Screen and Touch Selections Overview

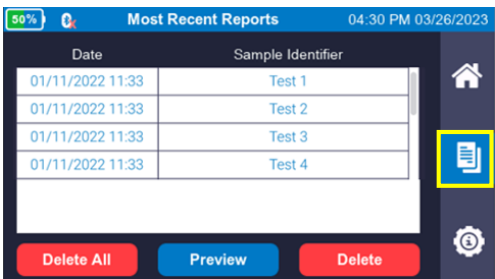
The Go-Cal Pro has a color touch screen that allows the selection and configuration of the calibrator to the desired settings. References to displays and menu screens use the names and label styles below:



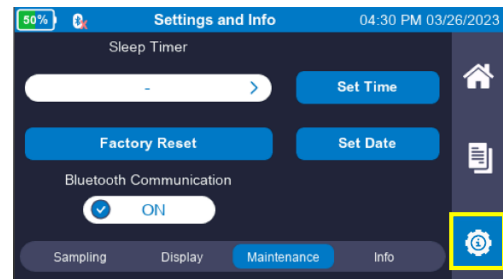
Home Screen



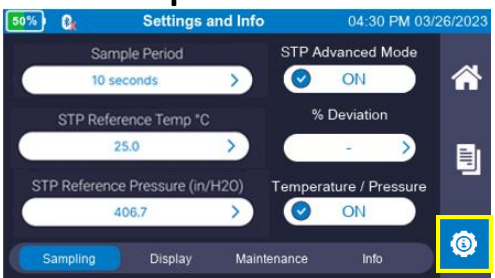
Settings Display Screen



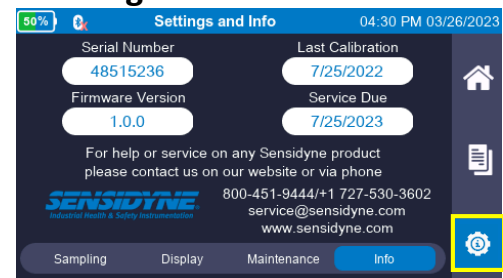
Reports Screen



Settings Maintenance Screen



Settings Sampling Screen



Settings Information Screen




Operation Guide

Power Go-Cal Pro On and Off (Charge before use)

Press On/Off button on the Inlet Side (Left Side) of the Go-Cal Pro to power the instrument. The system will boot up and automatically go to the home screen. Press the On/Off button again and a pop up window will appear to confirm shutdown.



Configure Go-Cal Pro

1. From the **Home Screen** , select **Settings Icon**  on the menu bar.
2. Press the **Sampling** tab on the bottom of the screen. Select **Sampling Period**. Choose a preselected sample time to be averaged or select desired sampling period (5 sec. to 5000 sec.). **STP Advanced Mode** may be set to **ON** if utilizing reference temperature and pressure flow rate conversions.
3. Select the **Display** tab on the bottom of the screen. Select the desired **Language**. Select the desired **Date Format**. Select the desired **Temperature Units**. Select the desired **Pressure Units**. Select the desired **Flow Rate Units**.
4. Select the **Maintenance** tab on the bottom of the screen. Press the **Set Time** button to adjust the time. Press the **Set Date** button to adjust the date to your local settings.
5. Press the **Home Icon**  on the side menu bar to return to the home screen.

Set Up the Go-Cal Pro




1. Attach sampling train (Media, Tubing and Pump) to the **Suction fitting** located on the right side of the instrument.

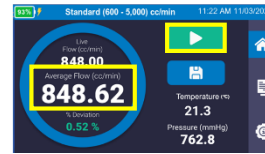


2. Begin air flow through pump and Go-Cal Pro. The initial readings will begin to appear on the **Home Screen**.


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




3. Select **Play Button**  to begin to average sample. The Average Flow will appear in the middle of the circle once the sample period has been completed. The sample can be **Reset**  or **Stopped**  at any time.



Event Saving and Reports

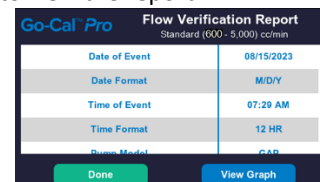
1. From the **Home Screen**, select **Save Button** .
2. Select a recently used pump, or skip to set up a new pump in the system.
3. Complete the **Sample Identification** input information.



4. Press **Pump Model** box and a **Keyboard Screen** will appear. Enter Pump Model and select **Forward Arrow** at the top right of the screen. Enter pump Serial Number and select **Forward Arrow** at the top right of the screen. Enter User Name and select **Forward Arrow** at the top right of the screen. Enter Sample Identifier and select **Done Button** at the top right of the screen. Review entered information and select **Save Button**.
5. From the **Home Screen**, select **Report Icon**  on the menu bar.















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



7. Use the touch screen to scroll **Up and Down** through the report. Press **Done Button** to return to the **Report Screen**.
8. To review your reports in PDF or Excel, connect your Go-Cal Pro to computer using the provided USB cable. Use **Gilian CONNECT PRO** to retrieve data and create files.

Icon Glossary

 Battery Life	 Home Screen	 Report Screen	 Settings Screen
 Play Button (Start Sample)	 Save Event	 Reset Average	 Stop Button (Stop Sample)
 Low Battery	 Error	 Warning	 Bluetooth Icon

Maintenance

Battery: The Go-Cal Pro employs a rechargeable lithium nickel cobalt aluminum oxide (NCA) 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 6 hours.

Specifications

Low Flow: 5cc/min - 600cc/min
 Standard Flow: 600 cc/min - 5000 cc/min
 High Flow: 4,000 cc/min - 30,000 cc/min
 Operating Temperature range: 10°C - 40°C

Operating Time: Up to 24 Hours continuous use. Over 400 Flow Verifications on a single full charge. Based on 30 second averaging and pump adjustment up to 2 minutes each.

Approvals

The Go-Cal Pro is EN 61010-1, CE, and RoHS compliant. The Go-Cal Pro contains an internal battery which has been approved for shipping and transport per UN/DOT 38.3 and IEC 62133-2 (2nd Edition).