

# THE WINNING TOUCH IN SAMPLE PUMP INNOVATION



**SKC IS PROUD TO INTRODUCE**  
**A NEW AIR SAMPLING PUMP**  
**THAT ELIMINATES COMPLEX**  
**BUTTONOLOGY**



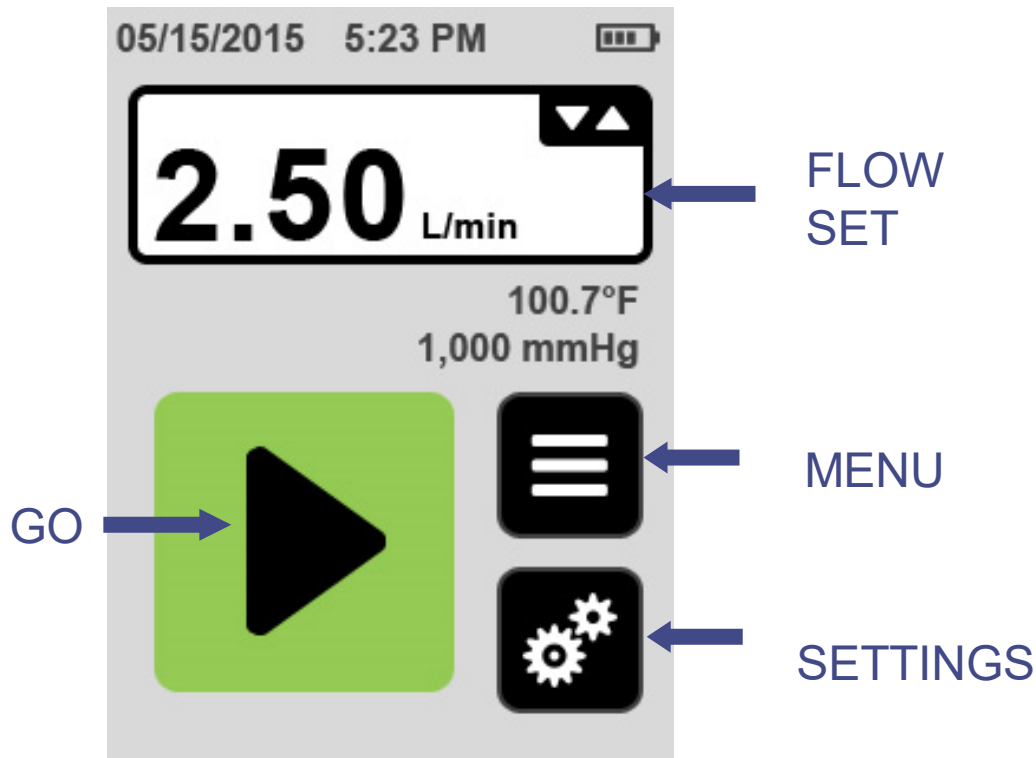
# AirChek TOUCH



The **FIRST** personal sample pump with color touch screen navigation for ultimate ease of use. So easy that you don't have to read the instruction manual.



# INTUITIVE OPERATION



HOME SCREEN

# REAL-TIME DISPLAY OF CRITICAL PARAMETERS



- ▶ Date, Time of Day, Battery Status.
- ▶ Temperature, Atmospheric Pressure in User-Selectable Units of Measure.
- ▶ Flowrate. Screen is updated every second and automatically corrected with any changes in temperature and pressure.



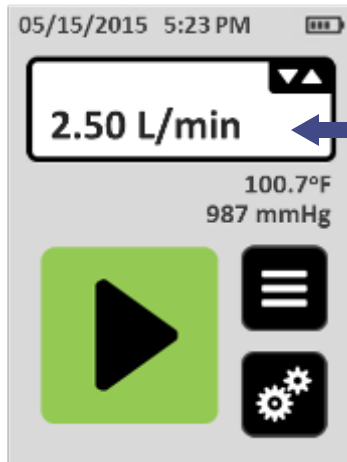
# NAVIGATING THE PUMP FROM THE HOME SCREEN

## Options:

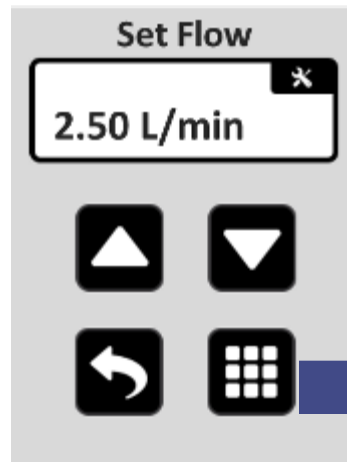
1. Set Flow
2. Menu
3. Settings



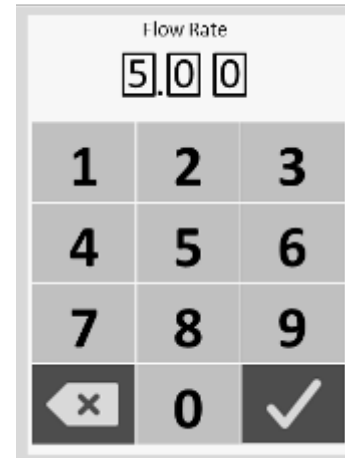
# SET FLOW SCREEN



SET FLOW

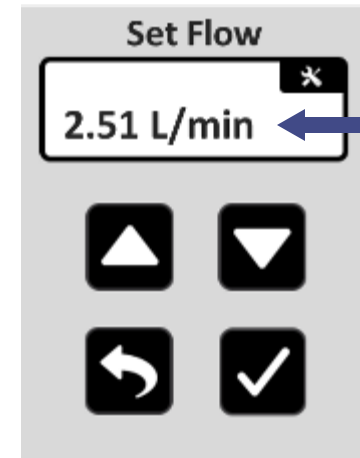


INCREASE,  
DECREASE OR  
USE KEYPAD



KEYPAD

MANUAL  
CALIBRATION  
(ADJUST  
DISPLAY TO  
MATCH  
CALIBRATOR)



# MENU SCREEN



**ABOUT:** Pump serial number, date of manufacture, lifetime usage in hours and air volume.

**HISTORY:** Details on previous samples taken including start/stop time, date, average flow, total air volume and run time.





# ABOUT SCREEN

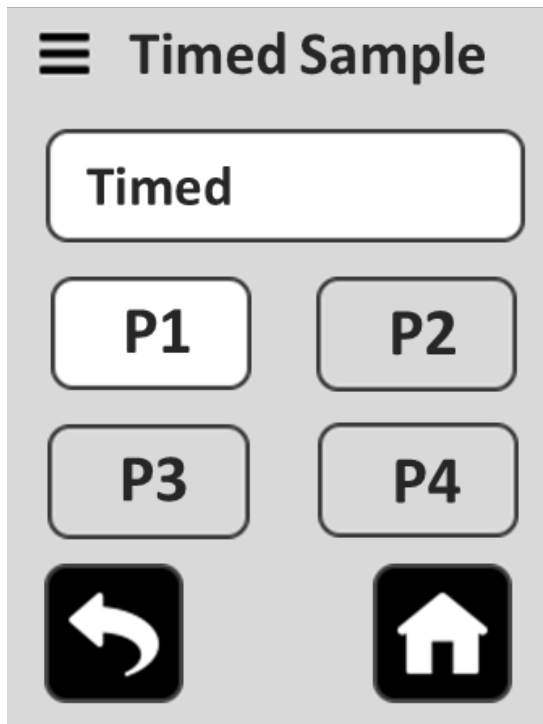


# HISTORY SCREEN



# TIMED SAMPLE OPTIONS

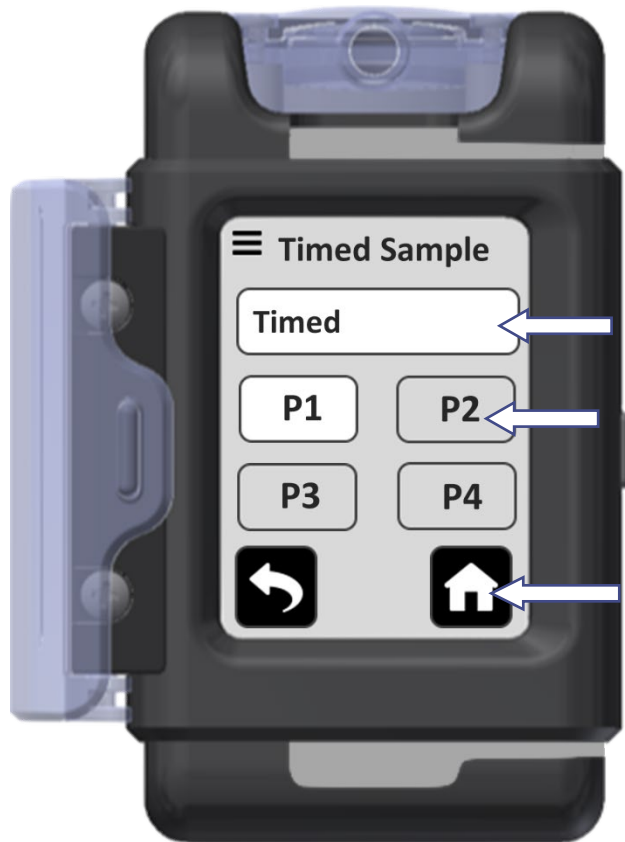
## USING TOUCH SCREEN



- By selecting TIMED, users can quickly set flow rate and duration.
- By selecting P1 to P4 PRESETS, users can enter and store the desired flow rate, duration, and start/stop time.



# PROGRAM A TIMED SAMPLE



## QUICK SET AND GO:

Enter Flow Rate and Duration.  
Press start when ready

## PRESET AND STORE:

Enter Flow Rate, Duration,  
Start/Stop Time

## RETURN HOME

# SET FLOW RATE



Flow range is  
up to 5 L/min.

# PRESET TIME



# PRESETS



# PRESET START DATE





# DIRECT COMMUNICATION TO PUMP CALIBRATORS

SKC CalChek<sup>®</sup> feature allows the pump to communicate directly with the SKC Chek-mate or Defender calibrators for hands-free adjustment and verification of flow rate.



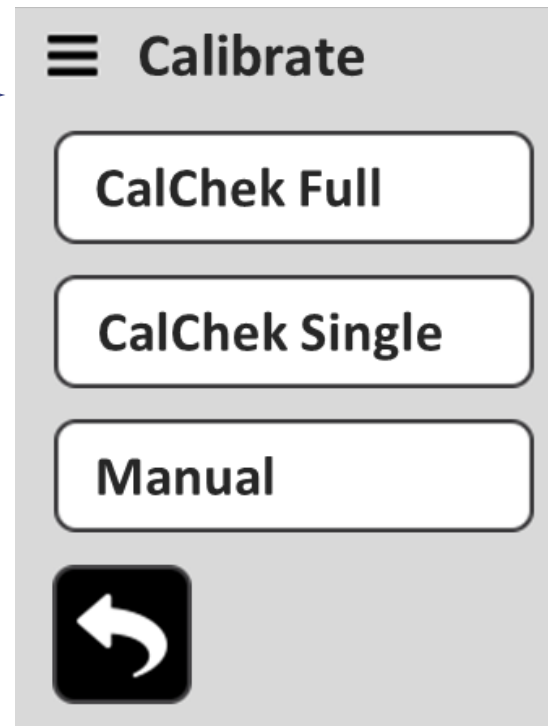
# MANUAL CALIBRATION CAN ALSO BE DONE



This feature allows users to verify and adjust the flowrate display manually to match that of any pump calibrator.

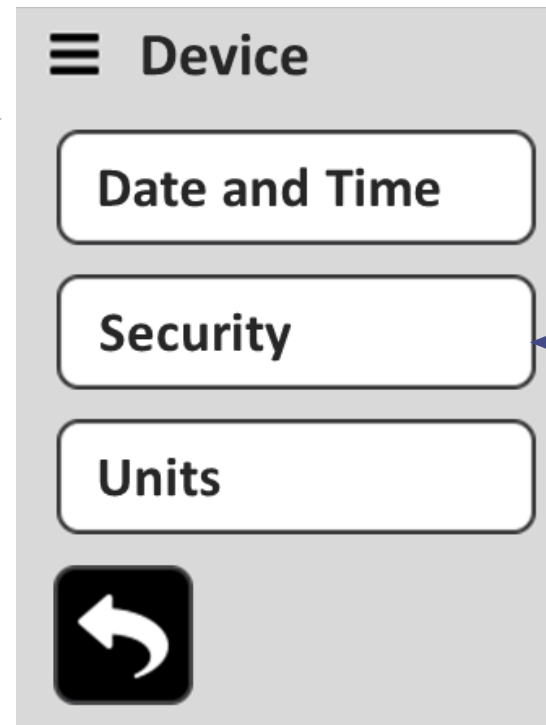
# SETTINGS SCREEN

## CALIBRATE



# SETTINGS SCREEN

## DEVICE



SCREEN  
LOCK



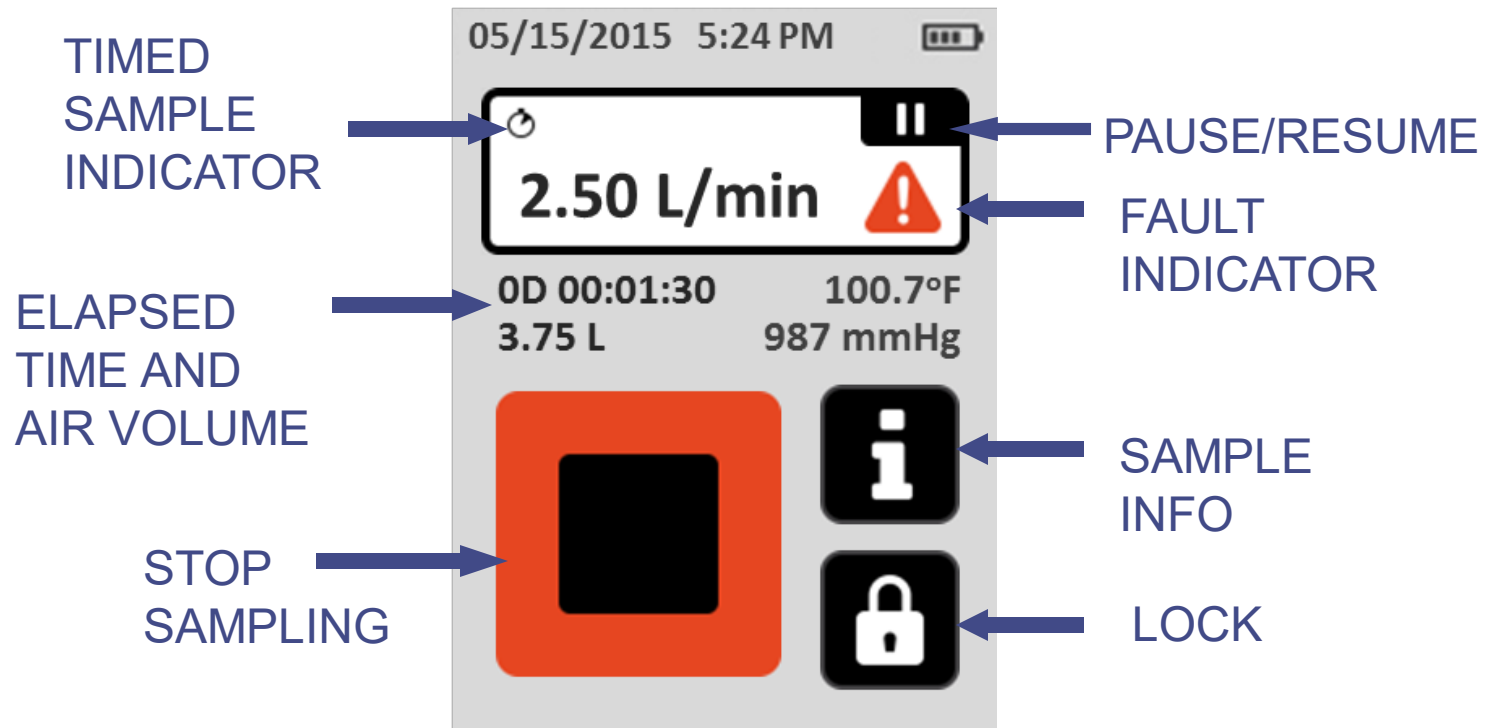
# SECURITY SCREEN




# AUTO-LOCK SCREEN






# ONCE YOU PRESS START SAMPLING SCREEN





# SAMPLE INFO SCREEN


05/15/2015 5:24 PM 

 **2.50 L/min**  

0D 00:01:30      100.7°F  
3.75 L            987 mmHg







**i Info**

Elapsed: 0D 00:02:30


Start: Manual

Stop: Manual

Volume: 7.50 L

STP Volume: 7.40 SL

Avg. Flow: 3.00 L/min







# SCREEN LOCK OPTIONS



- **AUTO LOCK-**  
Default lock that prevents accidental changes during sampling if desired.
- **SECURE LOCK-**  
Allows users to set a unique passcode for screen lock for tamper resistance.



# AIRCHECK TOUCH

## DATA STORAGE

**EVERY MINUTE\*, THE AIRCHECK TOUCH STORES:**

- Flow rate
- Accumulated Volume (L & STL)
- Sample Temperature
- Atmospheric Pressure
- Battery Voltage
- Fault Status

·Can store up to 41,472 entries- that's about 28 days of continuous sampling.



# HISTORY SCREEN

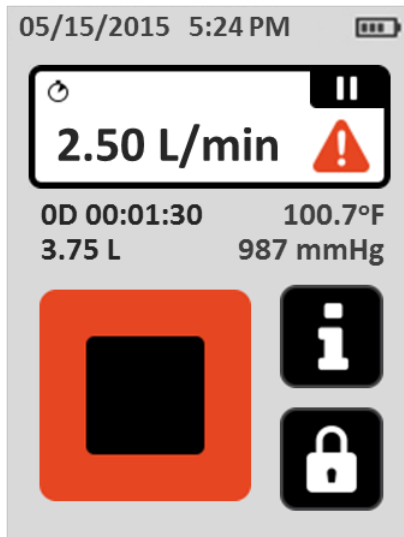
## HISTORY

1,024 sample  
summary  
records are on  
the pump.



# SKC DELIVERED

## FEATURES YOU ASKED FOR



- 2 lockout options
- 2 fault indicators



Recessed inlet  
on side



- Cradles for charging, calchek calibration, PC communication that daisy chain together



# ADDITIONAL SAFEGUARDS



Large, secure belt clip

- ▶ **DOUBLE-LAYER PLASTIC CASE** adds durability and dampens noise
- ▶ **PROTECTIVE COVER** over touch screen
- ▶ **INTRINSICALLY SAFE**  
UL listed



# USER FRIENDLY FEATURES

## LOW NOISE

Average sound level is 52 dBA at 1-meter distance with 0.8  $\mu\text{m}$  MCE filter.

## VISUAL INDICATORS

**RED** and **GREEN** flashing LEDs make it easy to determine pump status. Wearers can alert professionals if **RED** flashes from battery or flow fault.



# EVERYBODY WANTS A PUMP WITH POWER

- Lithium-ion battery
- Flow range from 5 ml/min to 5 L/min
- Runs 20+ hours at 2 L/min; 10+ hours at 5 L/min with 0.8 um MCE filter;
- High backpressure compensation up to 50 inches of water at 1-2 L/min



# AIRCHEK TOUGH

## AIRCHEK TOUCH PUMP WAS FULLY OPERATIONAL AFTER UL DROP TEST (just few scratches).

### UL60079-0, 26.4.3 Drop test

.... hand-held electrical equipment or electrical equipment carried on the person, ready for use, shall be dropped four times from a height of at least 1 m onto a horizontal concrete surface. The position of the sample for the drop test shall be that which is considered to be the most unfavorable. The drop test shall be conducted with any replaceable battery pack connected to the equipment. .... For electrical equipment which has enclosures or parts of enclosures made of non-metallic material, the tests shall be carried out at the lower test temperature in accordance with 26.7.2. (Airchek Touch was tested at -25°C)





# AIRCHEK TOUGH

## VIDEO AVAILABLE

5 to 5000 ml/min

20 hours run time

Touch screen operation –  
the easiest pump you will  
ever use

Get tough SKC **AirChek<sup>®</sup> TOUCH!**

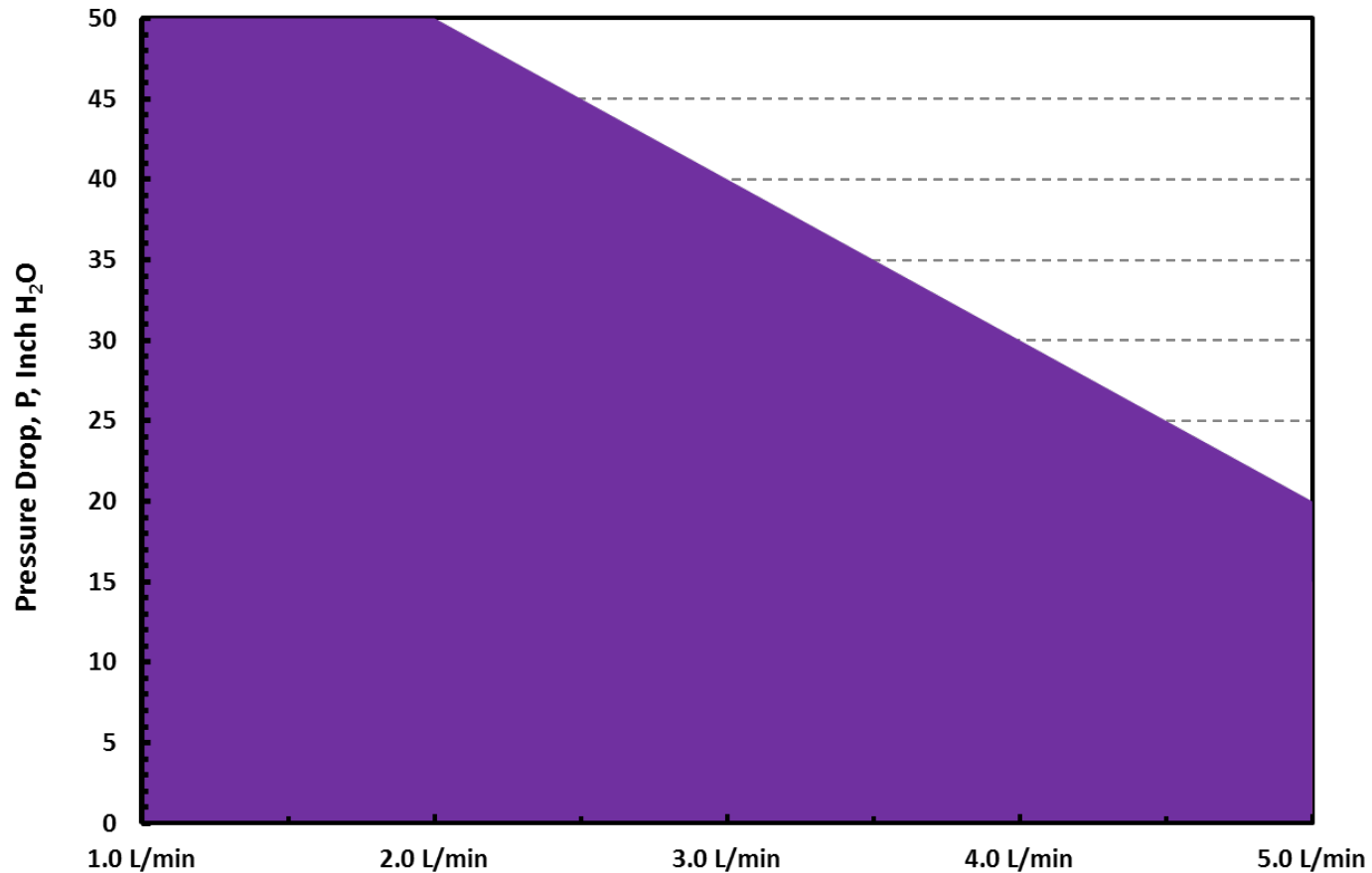
New! **AirChek TOUCH** Sample Pump



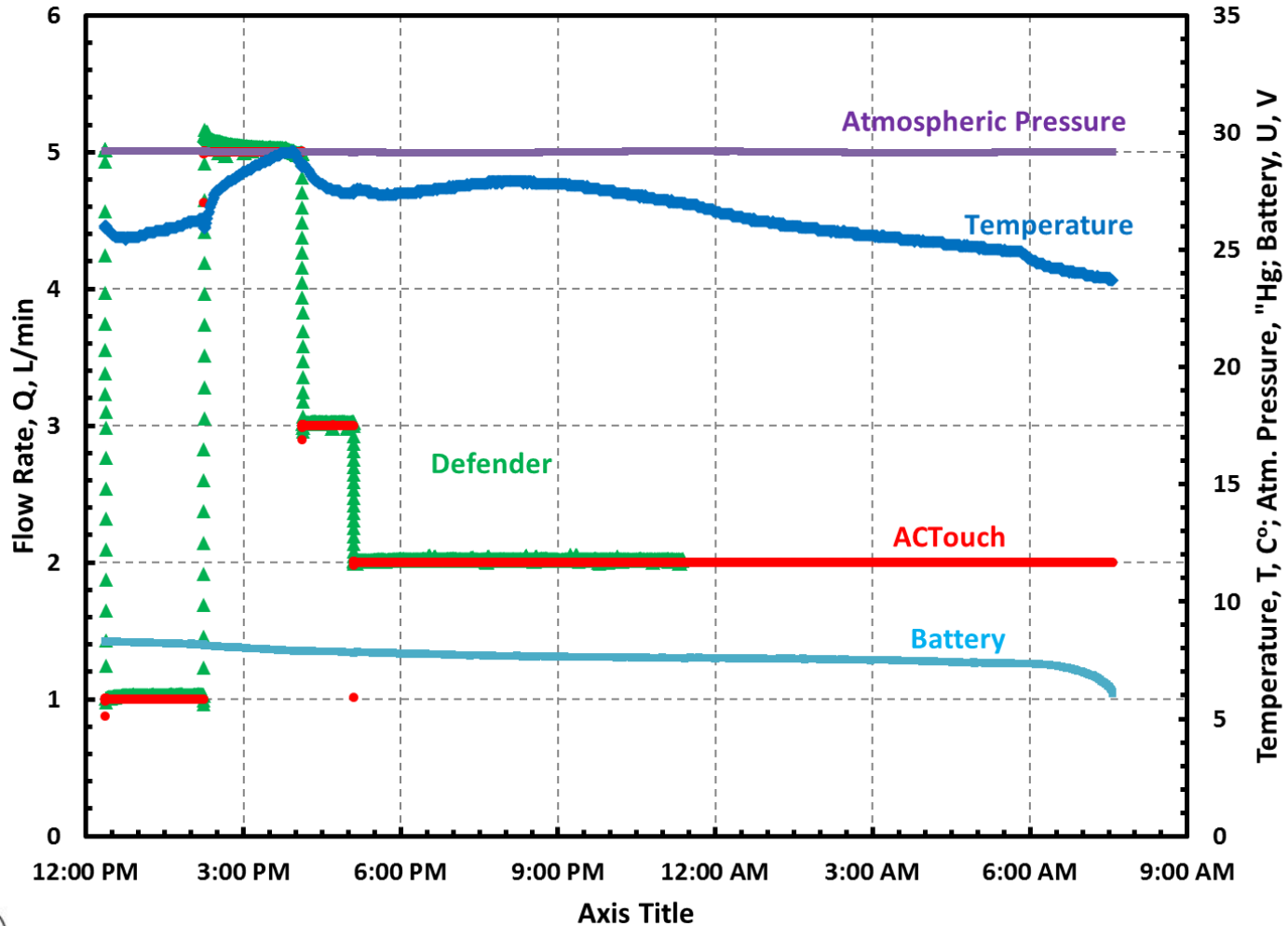
[https://www.youtube.com/watch?v=Tc5\\_VkS9Ewc](https://www.youtube.com/watch?v=Tc5_VkS9Ewc)



# AIRCHEK TOUCH POWER TO HANDLE BACKPRESSURE

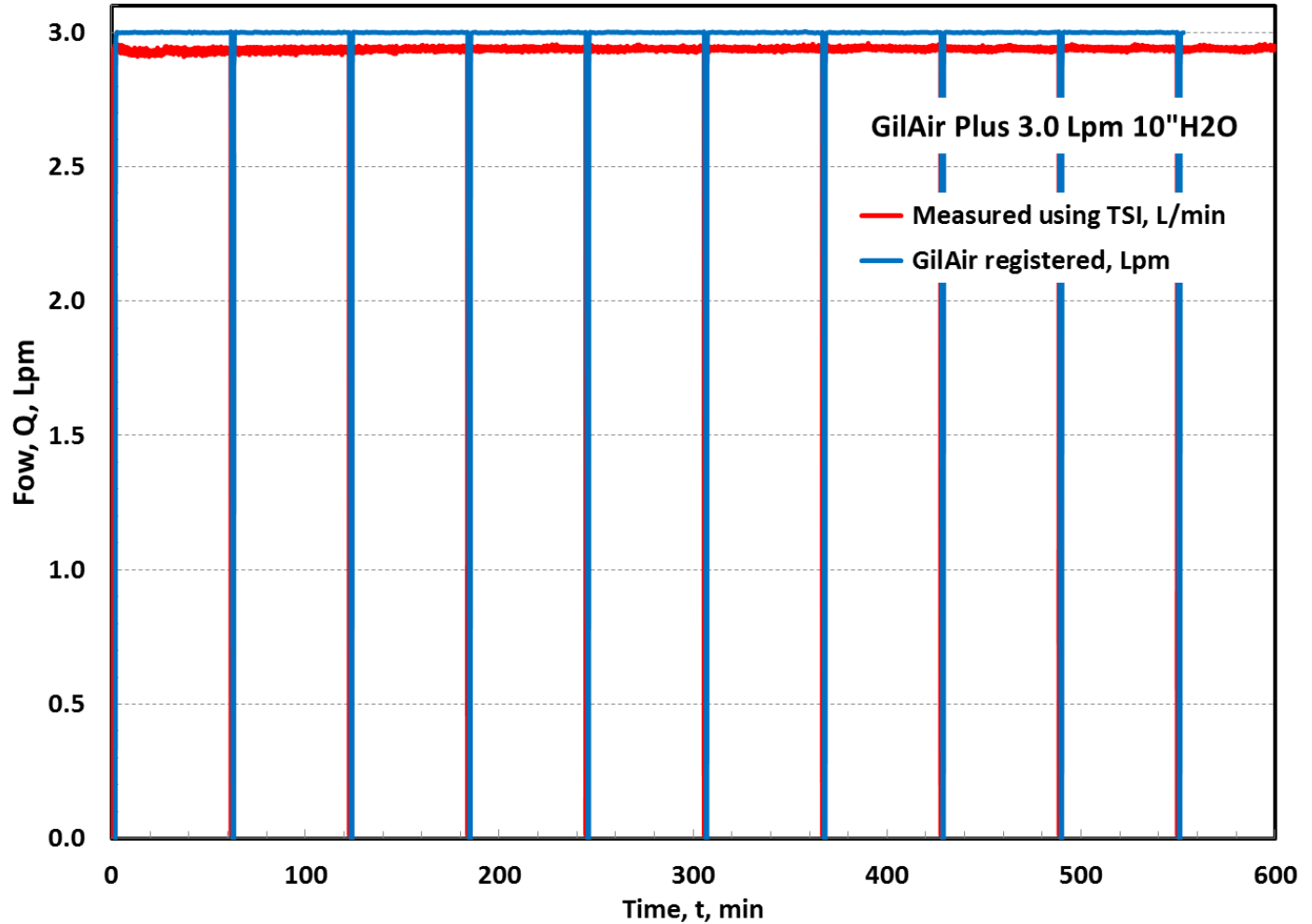


# AIRCHEK TOUCH ACCURACY IN FLOW RATE CONTROL

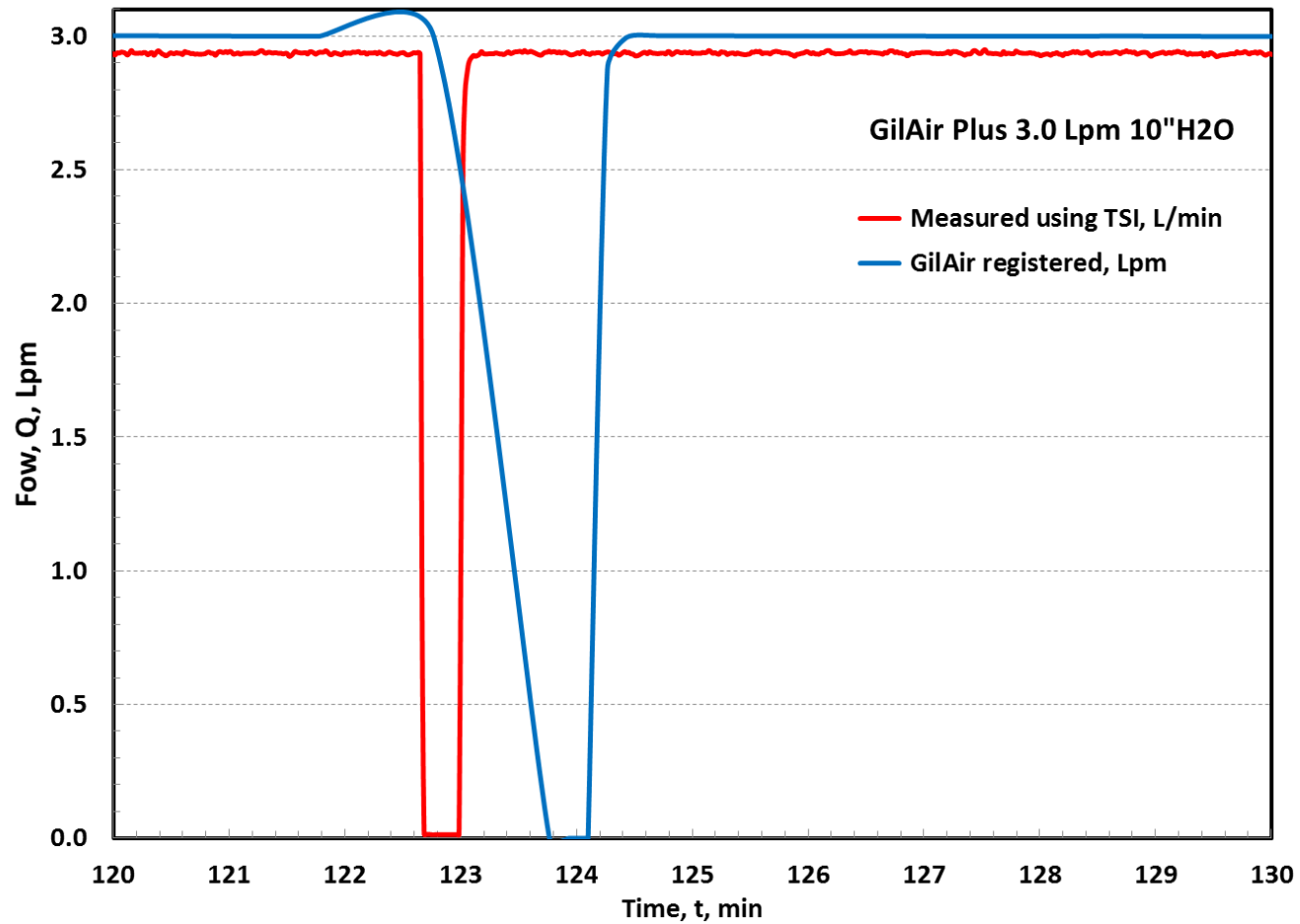


# COMPARE TO THE COMPETITION

GilAir Plus shuts down every 60 minutes or when temperature changes by 5C°



# COMPARE TO THE COMPETITION



# **DATATRAC PRO SOFTWARE**

## **FOR AIRCHEK TOUCH**

### **ENHANCES USABILITY AND CONVENIENCE**

- Configure AirChek TOUCH units
- Set and upload Presets to AirChek TOUCH
- Control AirChek TOUCH functionality
- Download, view, and export sampling history
- Browse and work with all previously downloaded sampling records.
- Update AirChek TOUCH firmware



# DATATRAC PRO SOFTWARE

## SAMPLE HISTORY OPTION

Sample History Tab



Available pumps (up to 5) will appear on Pump Display Bar.



Datatrac Pro is connected to



Sample from Pump 10027 on 6/26/2015 at 10:51 AM

L/min

Flow Temperature Atm. Pressure

Export Data

Save Summary

Status	Start	Duration	Rate	Accu. Vol.	STP Vol.	Temp.	Atm. Pressure
Run	6/26/2015 10:51:22 AM	02:07	1.50 L/min	191.07 L		79.7°F	28.88 inHg
Total		02:07		191.24 L	180.60 L	79.6°F	28.88 inHg

Viewing:

Pump	Start	Set Rate	Duration	Run Time	Accum. Vol.	Type	Notes
10027	7/10/2015 9:57 AM	1.50 L/min	00:00	00:00	0.32 L		
10027	6/26/2015 10:51 AM	1.50 L/min	02:07	02:07	191.24 L		
10027	6/26/2015 10:51 AM	1.50 L/min	00:00	00:00	0.03 L		
10027	6/26/2015 10:48 AM	0.50 L/min	00:02	00:02	0.79 L		
10027	6/26/2015 10:48 AM	0.50 L/min	00:00	00:00	0.24 L		



# MORE SAMPLE HISTORY OPTIONS

DataTrac Pro for AirChek TOUCH

SKC History Control Presets Configure Pumps Help

Scan for Pumps  
10049

Sample from Pump 10025 on 5/22/2015 at 4:39 PM

°F Flow Temperature Atm. Pressure

Export Data Save Summary

Status	Start	Duration	Rate	Accu. Vol.	STP Vol.	Temp.	Atm. Pressure
Run	5/22/2015 4:39:57 PM	3d 17:07	3.00 L/min	16042.17 L		79.2°F	29.07 inHg
<b>Total</b>		<b>3d 17:07</b>		<b>16042.45 L</b>	<b>51073.7</b>	<b>422.3°F</b>	<b>159.23 inHg</b>

Viewing: Saved Events

Pump	Start	Set Rate	Duration	Run Time	Accum. Vol.	Type	Notes
10025	5/22/2015 4:39 PM	3.00 L/min	3d 17:07	3d 17:07	16042.45 L		
10058	6/1/2015 7:30 PM	2.00 L/min	16:05	00:29	58.50 L		
10075	10/2/2015 1:59 PM	1.00 L/min	12:38	12:38	758.45 L		Fault
10075	10/1/2015 4:46 PM	1.00 L/min	11:38	11:38	699.79 L		Fault
10075	6/9/2015 2:02 PM	4.00 L/min	08:09	08:09	1949.33 L		Fault

SAVED EVENTS

All downloaded sampling events are available without pumps connected.





# PUMP CONTROL OPTIONS

Set flow rate,  
Run/Pause/  
Stop while on  
Pump Control  
Tab

Pump Control Tab

The screenshot displays the 'DataTrac Pro for AirChek Touch' software interface. At the top, a navigation bar includes the SKC logo and buttons for History, Control (highlighted), Presets, Configure Pumps, and Help. Below this, the 'Selected Pump 10027' is shown with a 100% battery icon. The 'PUMP CONTROL' section features 'Run', 'Pause', and 'Stop' buttons. The 'FLOW RATE' is set to 3.50 L/min. The 'FLOW' section shows a current flow of 3.50 L/min and a 'RUN TIME' of 00:00:07. The 'ACCUMULATED VOLUME (APPROXIMATE)' is 0.46 L. The 'TEMPERATURE' section shows a 'CURRENT' of 71.6 °F, and the 'ATMOSPHERIC PRESSURE' section shows a 'CURRENT' of 28.90 inHg. A sidebar on the left lists pumps 10019, 10025, 10027 (selected), and 10006.



# SAMPLE SUMMARY OPTION

Pump Control Tab

The screenshot displays the 'DataTrac Pro for AirChek Touch' software interface. At the top, there is a navigation bar with icons for History, Control (selected), Presets, Configure Pumps, and Help. Below this, the 'Selected Pump 10027' is shown with a 100% battery indicator. The main area is divided into sections for PUMP CONTROL (Run/Pause buttons), FLOW RATE (30 L/min), FLOW, TEMPERATURE CURRENT, and ATMOSPHERIC PRESSURE CURRENT. A 'Sample Summary' dialog box is overlaid on the screen, providing a summary of the sample run.

**Sample Summary**

A summary of your sample is below. For more detailed information on this sample, go to the History screen.

Date:	7/16/2015
Time:	9:51 AM
Flow:	3.50 L/min
Run Time:	00:00:44
Volume:	2.62 L

OK

Sample summary appears when pump is stopped.



# PRESET OPTIONS

Preset Tab

Create, upload and copy Presets including continuous and intermittent (on/off) sampling options

The screenshot shows the 'DataTrac Pro for AirChek Touch' software interface. The 'Presets' tab is selected in the top navigation bar. The main content area displays 'Presets On Pump 10027' with two preset configurations:

Preset ID	Flow Rate (L/min)	Timing	Cycles	Duration (Day(s) H M)	Sample (H M)	Pause (H M)	Start Time (HH:MM)	Estimated Sample Volume
10027 (PRESET 1)	2.00	Intermittent	3	00 : 00 : 15	00 : 02	00 : 03	09:20 AM	12.00 Liters
10006 (PRESET 2)	2.00	Continuous	-	00 : 00 : 23	-	-	03:52 PM	46.00 Liters

Additional details for PRESET 1: START TIME is set to 'Yes' at 09:20 AM. A note states: '\* The pump will automatically start at the prescribed time only after this preset is activated on the pump.'



# CONFIGURE PUMPS

The screenshot displays the 'Configure Pumps' interface for Pump 10049. The top navigation bar includes 'History', 'Control', 'Presets', 'Configure Pumps', and 'Help'. The main content area shows pump details: Manufacturing Date (5/19/2015), History Records (95), Firmware Version (1.1.1.0), and Lifetime Vol. Sampled (9,779 L). Below this are 'PUMP SETTINGS' (MM/DD/YY, 12 hour, Update Date & Time), 'UNITS & DATA' (FLOW & VOLUME: L/min & Liters, ATMOSPHERIC PRESSURE: mbar, INLET PRESSURE: Inches of water, TEMPERATURE: °Fahrenheit), 'SCREEN' (DIM: Off, AUTO LOCK: Off), and 'SECURITY' (SECURE LOCK: Off, PASSWORD: 1 2 3 4). STP SETTINGS are set to 20 °C and 101.325 kPa. A 'Copy Settings to Other Pumps' button is at the bottom.



# DAISY CHAIN CRADLES

DataTrac Pro for AirChek TOUCH

SKC History Control Presets Configure Pumps Help

Scan for Pumps

10049

Up to 4 standard cradles may be connected to the e-Cradle



If you are having difficulty connecting to your AirChek TOUCH, please ensure that the cradle is plugged into your computer, any CalChek devices are disconnected, the pump is firmly seated in the cradle, and the cradle is connected to 12V DC.

For the latest product manual, firmware updates, and additional help with DataTrac software please visit [www.skcinc.com/airchek-touch/help/](http://www.skcinc.com/airchek-touch/help/)

v1.1.1

# GET THE WINNING TOUCH



AirChek **TOUCH**

Contact SKC to order now!

