



WEBIH  
WEBINAR LEARNING

# Introducing the **NEW** AirChek **Connect** Air Sampling Pump by SKC

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*Technical Sales Representative*





# Presentation Outline

- AirChek Connect
  - Key Features & Specifications
  - Physical Features
  - Display
  - Basic Pump Operation
  - Pump Calibration
  - Bluetooth Connectivity
  - Kit Offerings
- Chek-mate Calibrator
  - Standard Specification
  - Averaging Function
- Q & A

SCIENCE. SERVING PEOPLE.

# AirChek TOUCH

The Easiest Sample Pump You Will Ever Use!

- Flows from 5 to 5000 ml/min
- TOUCH screen for intuitive operation and calibration — the easiest pump you will ever use
- Supercharged battery power for over 20 hours of run time
- Features to help you power through multiple sampling applications
- Hands-free calibration with SKC chek-mate Calibrator

Highly visible run and fault status LEDs



CalChek automatic calibration with chek-mate calibrator

No manual adjustments  
Calibrate at a single flow rate  
Verify flow pre and post calibration  
Calibrate across multiple flow rates following the manual  
Documentation Pro 5

Information at a quick touch

Large backlit color touch screen



Air Sampling Solutions

SCIENCE. SERVING PEOPLE.

# 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.**



# *AirChek* **ESSENTIAL**

**NEW**

Low Price, Simple Operation Sample Pump

"No operating manual needed!"

5 to 5000 ml/min





# *AirChek* **Connect**

**NEW**

Intuitive user interface with the added feature of  
Bluetooth Connectivity



# Key Features and Specifications

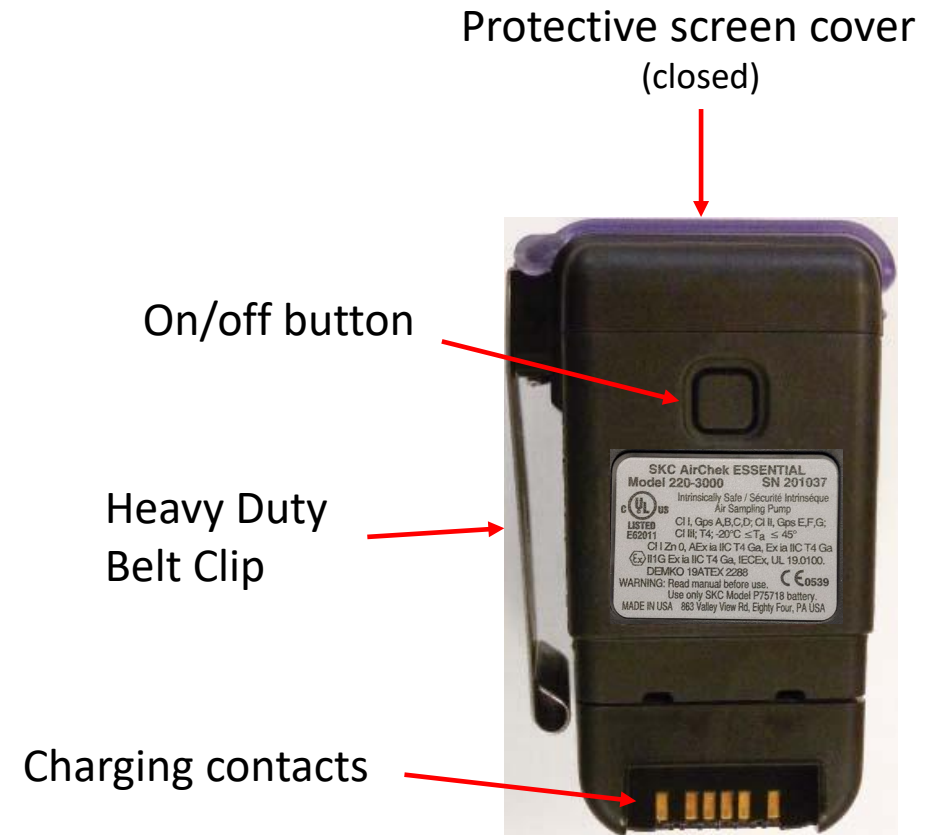
## **AirChek Connect**

- **Bluetooth low-energy connectivity**
- Flows from 5 to 5000 ml/min.
  - 5 to 500 ml/min with low flow holder accessory
  - Multiple-tube sampling with low flow accessories
- High back pressure compensation
  - Up to 50 inches water at 2 L/min
- Li-Ion battery – 40+ hour run time
- Corrects flow for changes in temperature and atmospheric pressure
- Large display with continuous parameters
- Bright running and status LEDs
- Displays elapsed time
- Flow fault and auto-restart
- Convenient Charging cable
- Small, Lightweight & Ultra Quiet
  - 19.4 oz. / 4.1 x 3.7 x 2.8 in (10.4 x 9.4 x 7.1 cm)
- **Intrinsically Safe**
- Screen Lockout and protective cover



# Physical Features

## AirChek Connect



# Physical Features

## AirChek Connect



Power  
Connection

LED Indicators

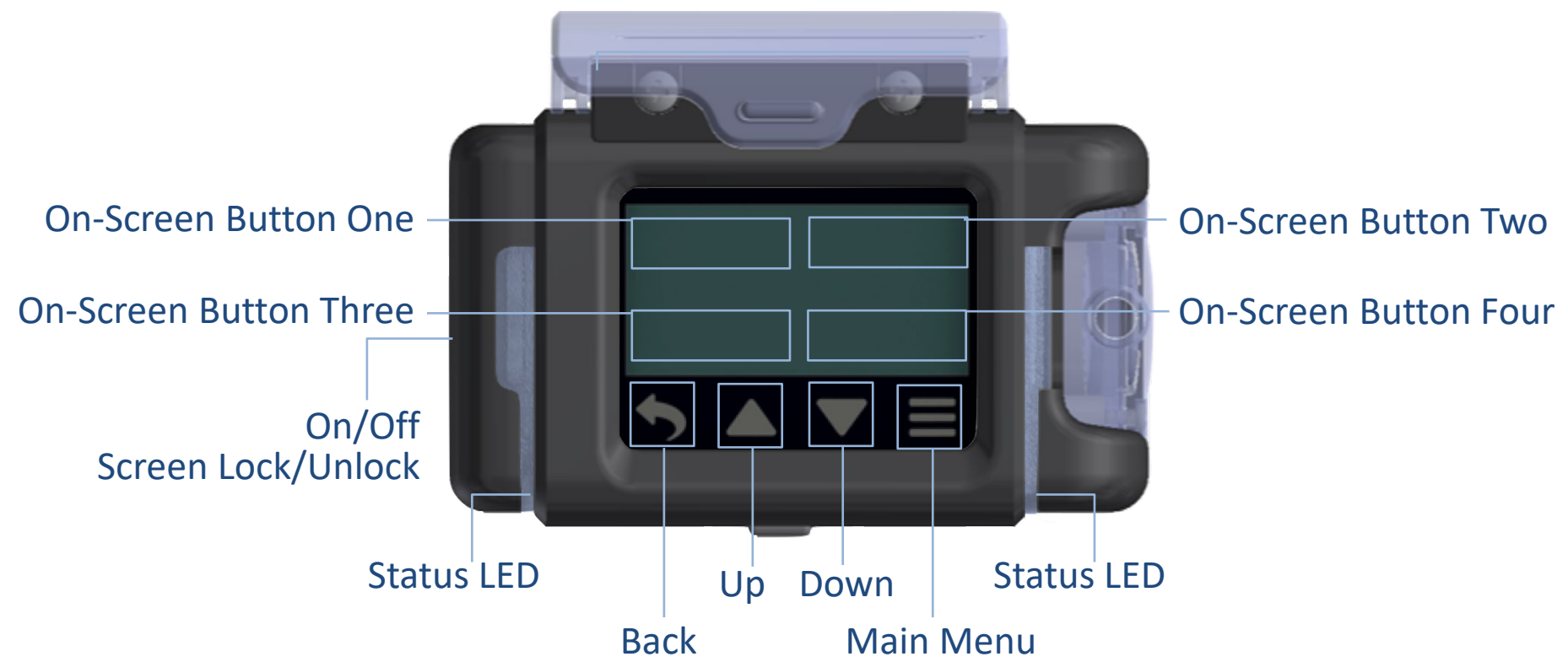
### Charging:

- Cradle – Single or Multiple (up to 5)
  - Easy to dock, easy to connect
  - Multi-cradle power supply required
  - Same charging cradle as AC Touch and AirChek Essential
- Fast charging – approximately 3 hours
- LEDs to indicate charging status
  - Steady red – Charge in progress
  - Red for 3 sec. then Green for 1 sec. – 75% charged
  - Steady green – Charge complete/trickle charge





# Display Screen



### Back button

Returns to previous screen



### Up Arrow button

Increases selected value or moves up a list/range/display



Touch and hold to speed increment of flow or pressure settings.

### Down Arrow button

Decreases selected value or moves down a list/range/display



Touch and hold to speed decrement of flow or pressure settings.

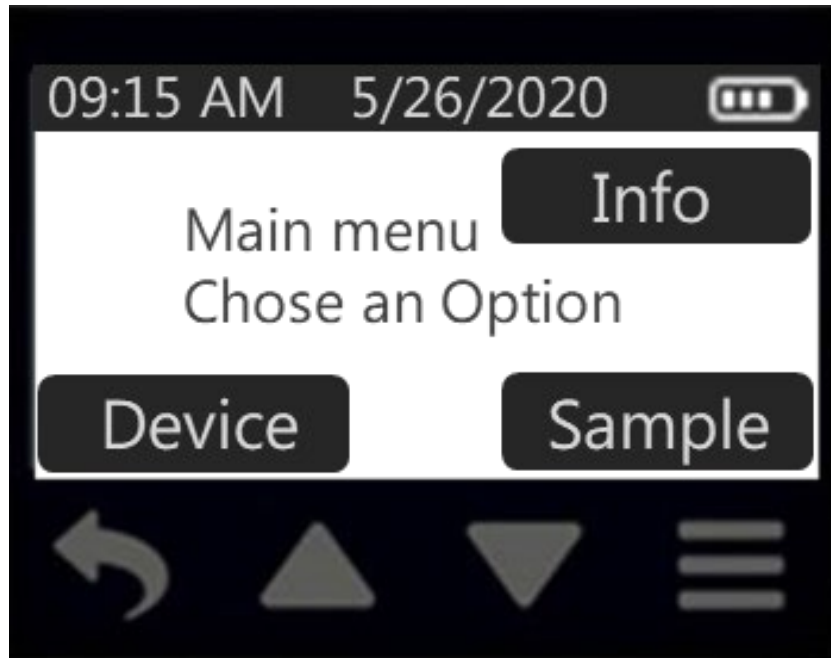
### Main Menu button

Returns to Main Menu, from which you can access all options.



# Basic Operation

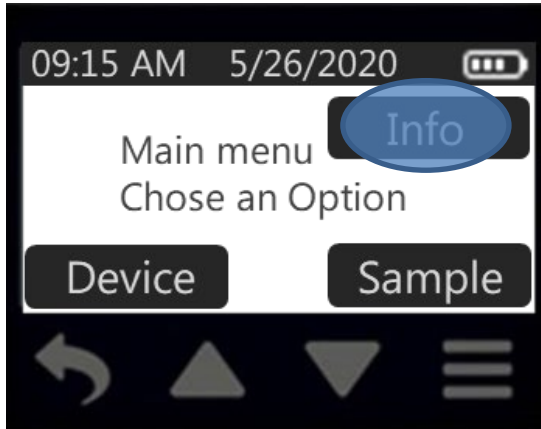
## **AirChek Connect**



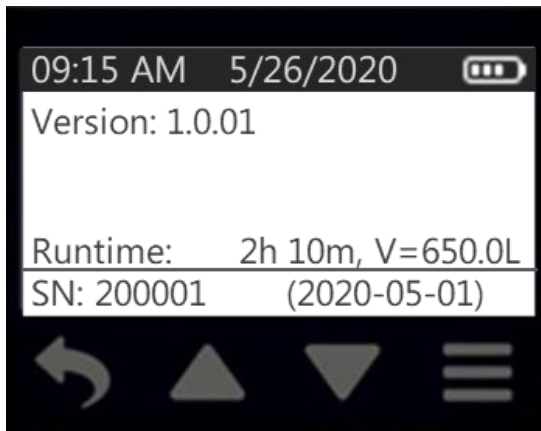
### **Powering up:**

- Press and release the On/Off button (on Left Side of Pump Housing)
- Full character display
  - **Touch Points on display include Info, Device, and Sample. Back key, Up and Down Key, and Hamburger Icon.**

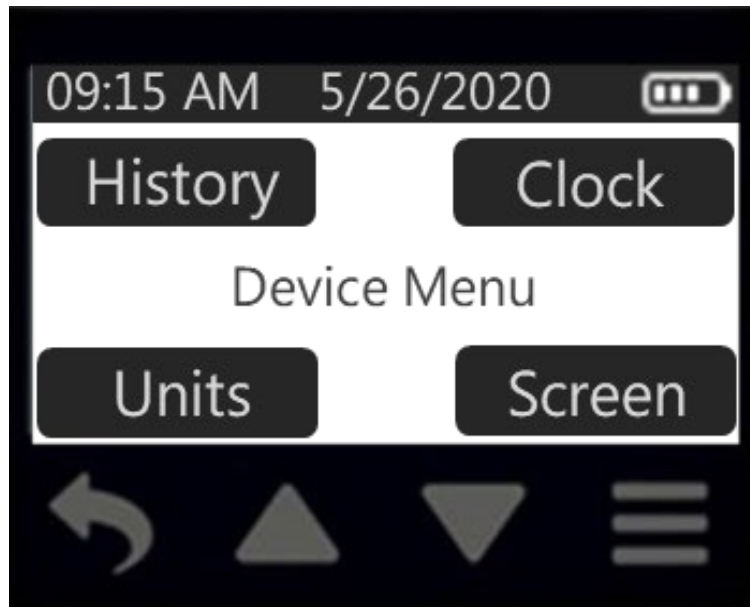
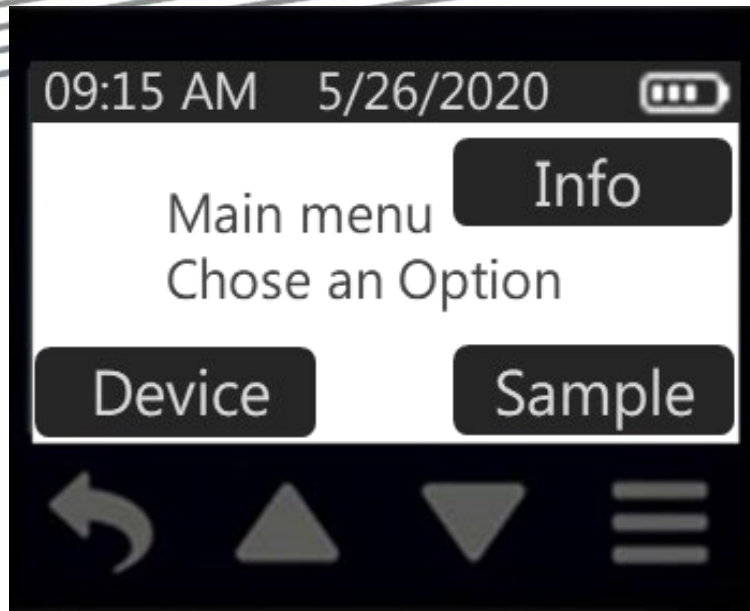
# Key Pad Operation



- Touch the Info Tab
  - Version of the Firmware
  - Serial Number

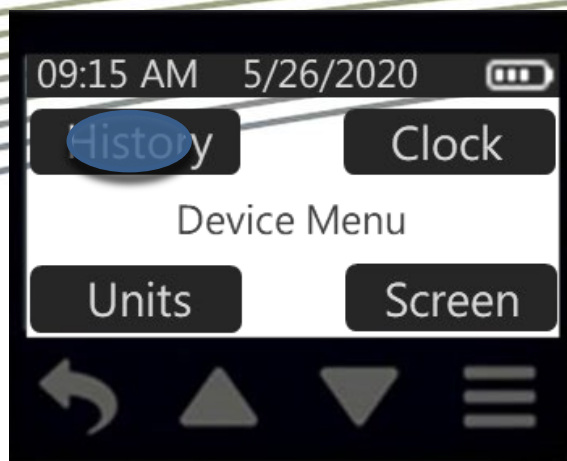


# Device Tab Stettings

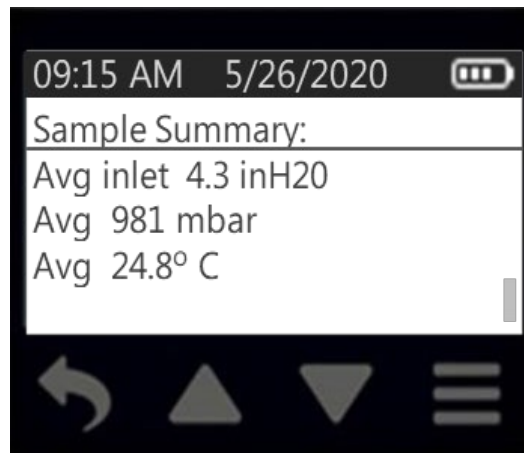
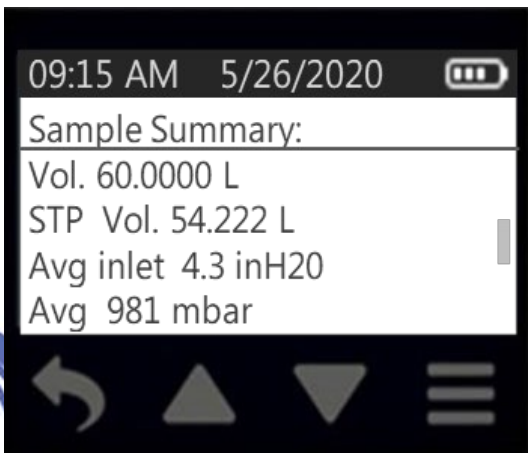
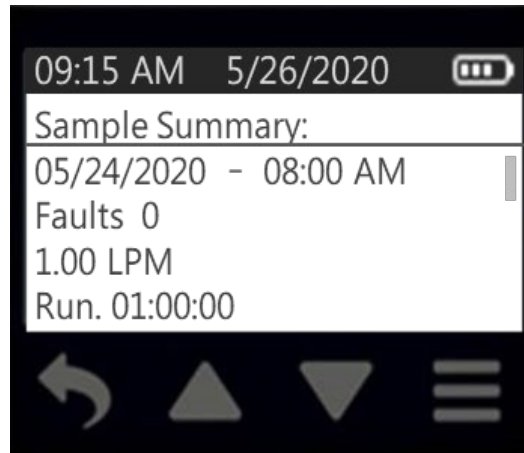
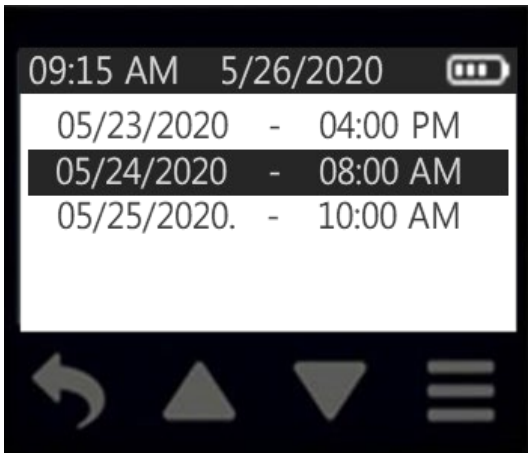


- History
- Clock
- Units
- Screen

# Device Tab Settings

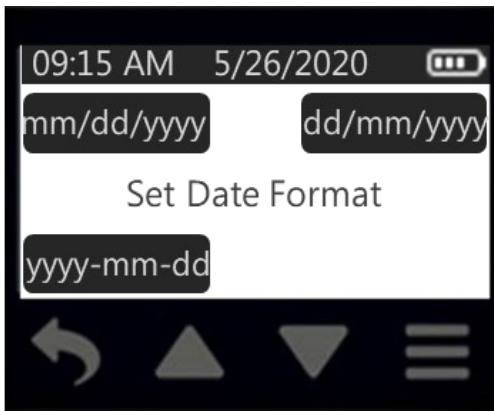
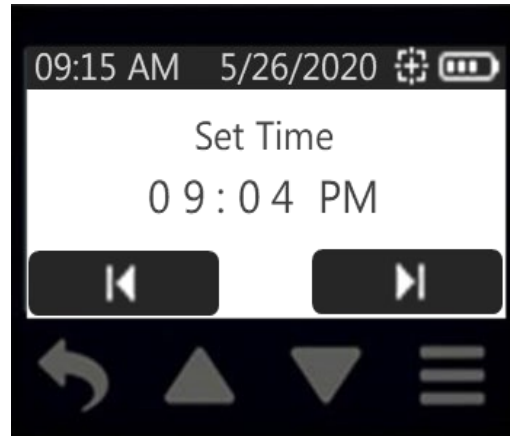
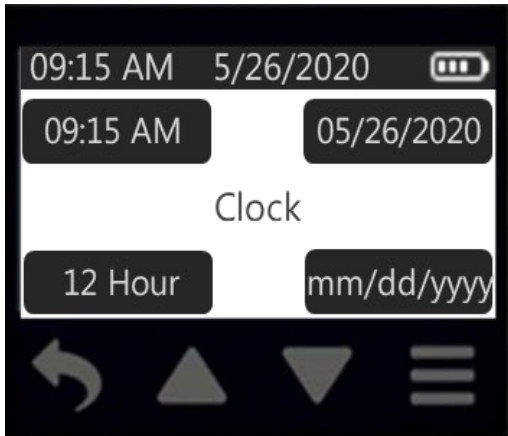
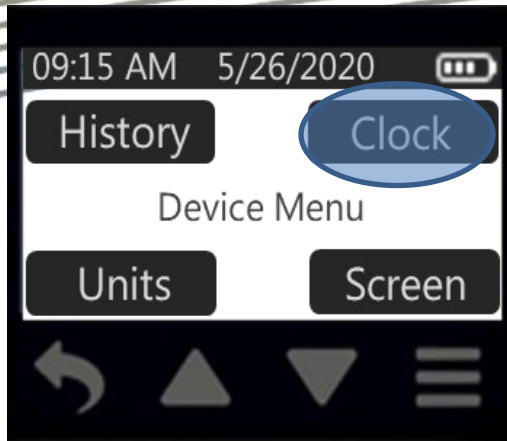


- History Tab
  - Allows you to review sample history on pump
  - Select and view specific samples.



# Device Tab Settings

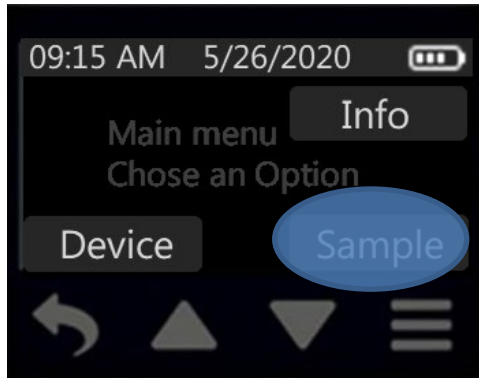
- Set the Time
- Choose Date Format



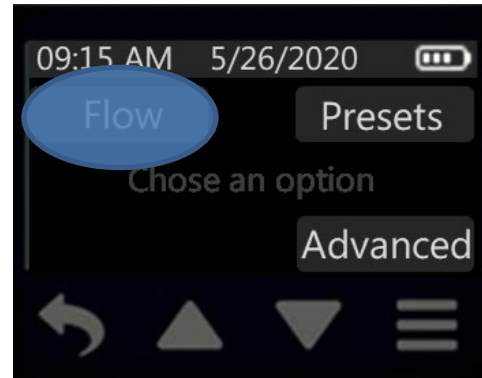
# Basic Operation & Calibration

## AirChek ESSENTIAL

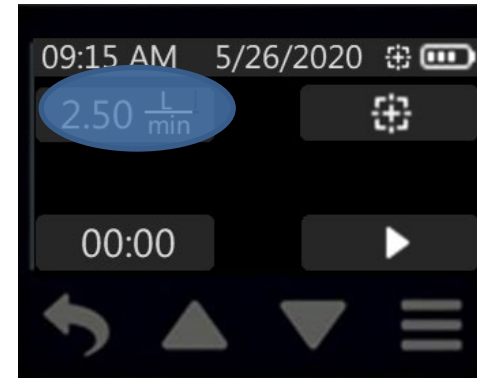
### Pump Flow Adjustment/Calibration



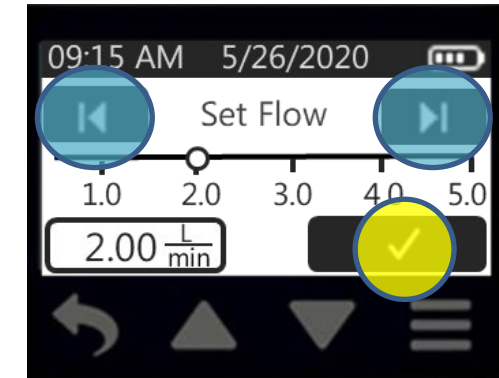
Touch Sample



>Touch Flow



>Touch flow display



Touch left/right arrow buttons to set gross flow setting; flow changes by 0.5 L/min. Touch up/down arrow buttons to fine-tune setting. **Note:** A sustained touch on the up/down arrow buttons will speed up increment/decrement of flow setting

Touch check mark to accept selection and return to Flow Menu

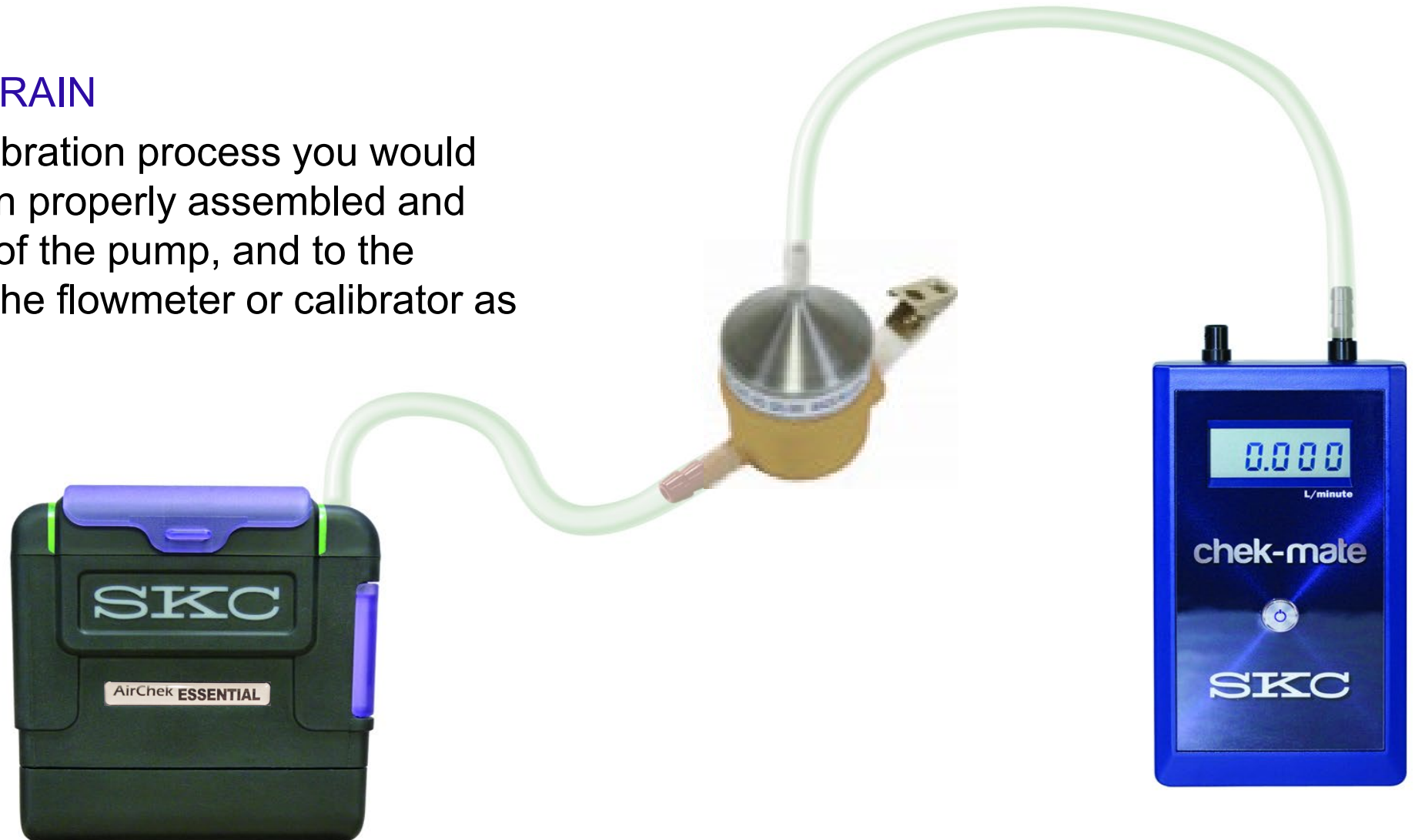


# Basic Operation & Calibration

## **AirChek ESSENTIAL**

### SET UP SAMPLING TRAIN

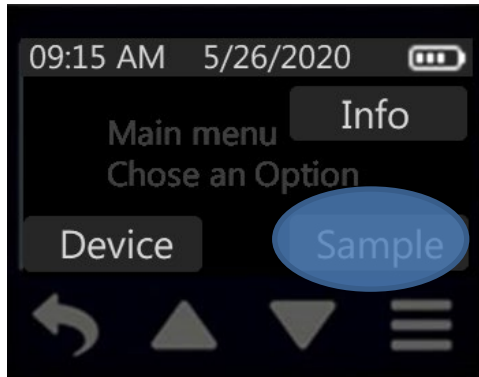
Before starting the calibration process you would have the sampling train properly assembled and connected to the inlet of the pump, and to the outlet (suction port) of the flowmeter or calibrator as shown here.



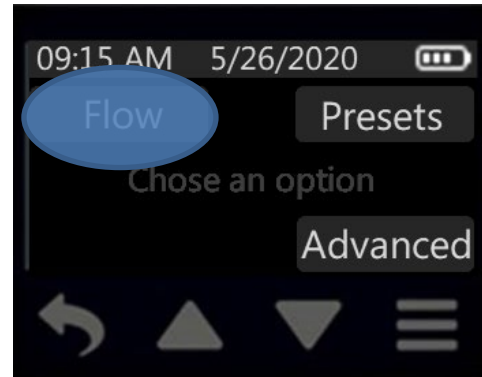
# Basic Operation & Calibration

## AirChek ESSENTIAL

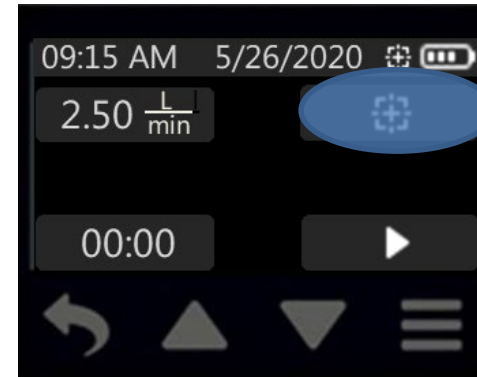
### Pump Flow Adjustment/Calibration



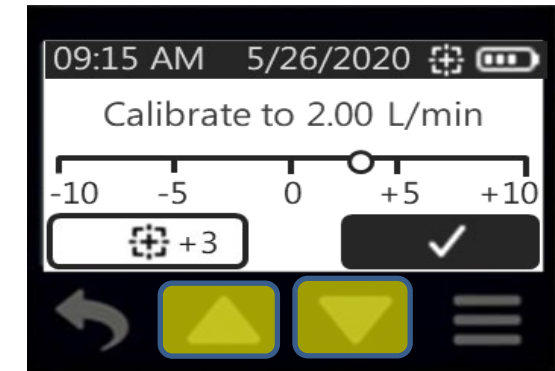
*Touch Sample*



*>Touch Flow*



*>Touch flow display*



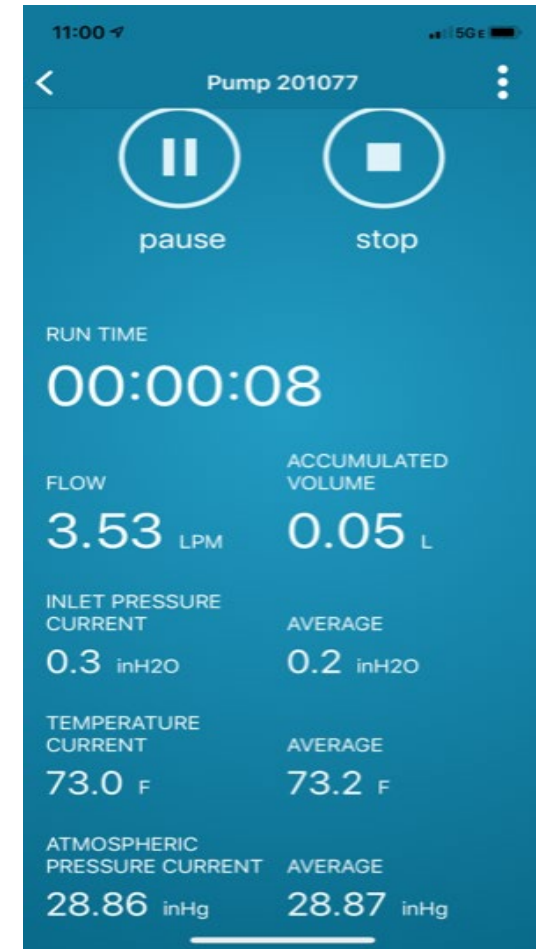
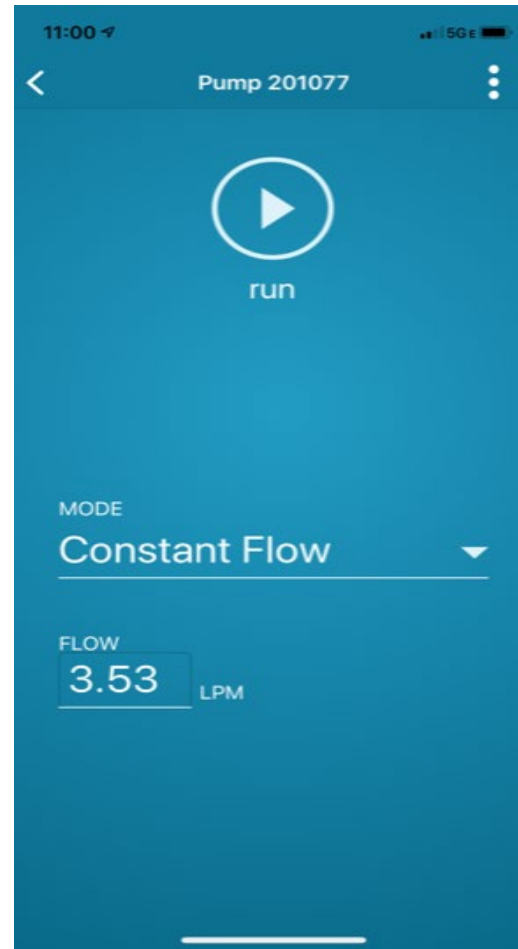
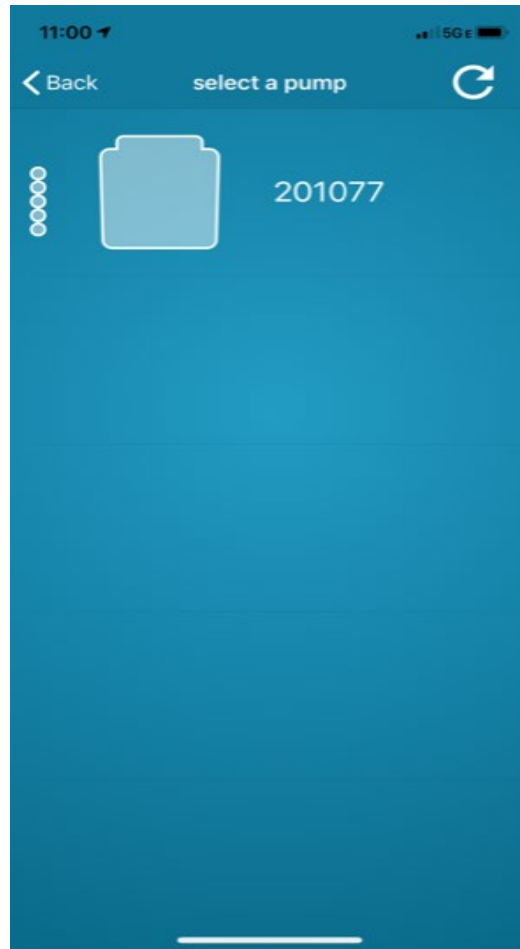
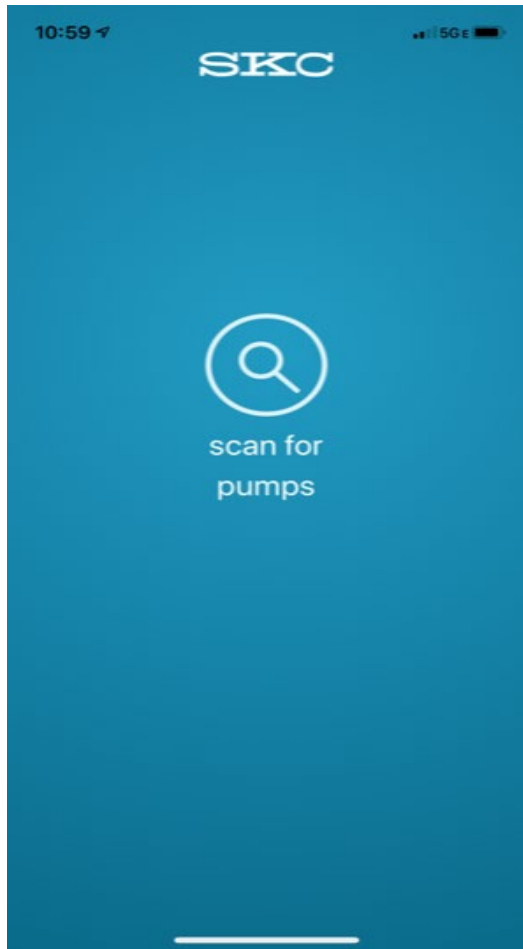
Pump will start running when you touch the calibration icon. **It is good practice to allow the pump to run for 10 to 15 minutes before calibrating the flow rate.**

**Touch up/down arrow buttons to increment/decrement calibration adjustment.**

The **calibration adjustment value** will display beside the calibration icon.

**Note:** The flow rate displayed on the calibrator will change as a result of this adjustment.

# Smartwave App



# DataTrak Pro Software

DataTrak Pro

SKC

History Control Presets Configure Pumps Help

Scan for Pumps

201077

Sample from Pump 201077 on 4/11/2030 at 10:59 PM

L/min

Flow Temperature Atm. Pressure

Export Data

Save Summary

Status	Start	Duration	Rate	Accu. Vol.	STP Vol.	Inlet Press.	Temp.	Atm. Pressure
Run	4/11/2030 10:59:23 PM	00:28	5.00 L/min	140.00 L		0.8 inH <sub>2</sub> O	79.7°F	29.00 inHg
<b>Total</b>		00:28		140.00 L	132.75 L	0.8 inH <sub>2</sub> O	79.7°F	29.00 inHg

Viewing: Events from Pump 201077

Pump	Start	Set Rate	Duration	Run Time	Accum. Vol.	Type	Notes
201077	4/11/2030 10:59 PM	5.00 L/min	00:28	00:28	140.00 L		
201077	4/11/2030 10:59 PM	2.50 L/min	00:00	00:00	0.08 L		
201077	4/11/2030 10:08 PM	2.00 L/min	00:50	00:50	100.53 L		
201077	4/11/2030 5:36 PM	2.00 L/min	00:00	00:00	0.10 L		
201077	4/10/2030 7:19 PM	2.00 L/min	00:22	00:22	44.90 L		
201077	9/1/2020 11:11 AM	2.00 L/min	00:00	00:00	0.63 L		

SAVED EVENTS

11:20 AM 9/1/2020

# Kit Configurations

## **AirChek Connect**

Part Number	Description	Price
220-4000	<b>AirChek Connect Pump only</b> Includes pump only. No accessories	\$ 899.00
220-4000-S	<b>Starter Pump Kit</b> Includes pump, charging cradle, power supply with cord, 3 feet of Tygon tubing, collar clip with cable tie	\$ 1059.00
220-4000-K	<b>Single High Flow Pump Kit</b> Includes pump, charging cradle, power supply with cord, a filter cassette holder, in a soft-sided nylon carry case	\$ 1129.00
220-4000-K3D	<b>3-pack High/Low Flow Pump Kit</b> Includes 3 each: pumps, charging cradles, power supplies with cord, filter cassette holders, All-in-One adjustable tube holders, type A protective tube covers, in a Pelican case	\$ 3829.00
220-4000-K5	<b>5-pack High Flow Pump Kit</b> Includes 5 each: pumps, charging cradles, power supplies with cord, filter cassette holders, in a Pelican case	\$ 5619.00
220-4000-K5D	<b>5-pack High/Low Flow Pump Kit</b> Includes 5 each: pumps, charging cradles, power supplies with cord, filter cassette holders, All-in-One adjustable tube holders, type A protective tube covers, in a Pelican case	\$ 6105.00

## Selection Guide

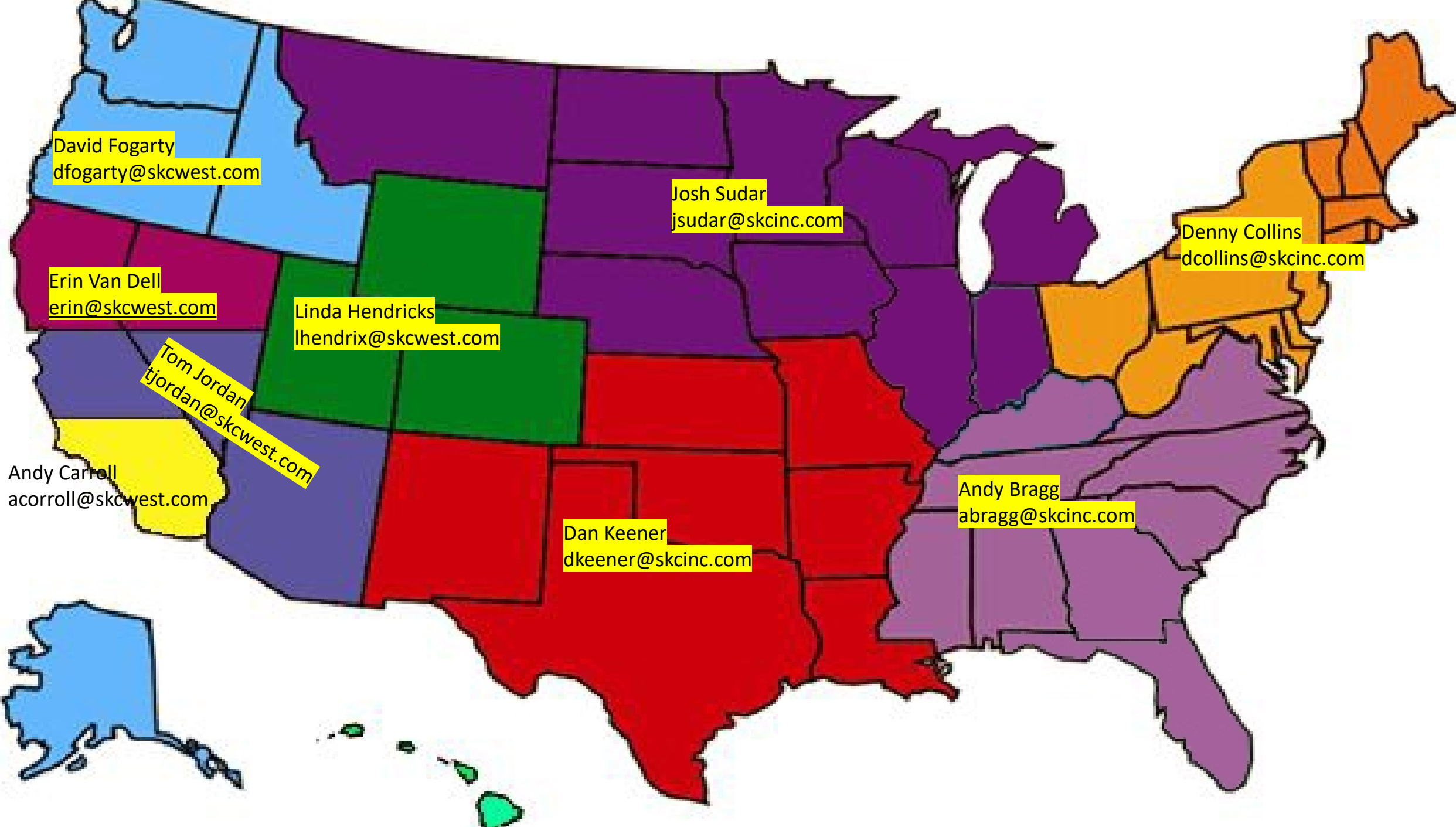
<b>AirChek<sup>®</sup></b>	<b>AirChek ESSENTIAL</b>	<b>AirChek TOUCH</b>	<b>AirChek CONNECT</b>
Listed Intrinsically Safe	•	•	•
Operation	Touch keypad	Touch screen	Touch screen
Programmable		•	•
PC Compatible – Download History		•	•
Bluetooth			•
Mobile App			•
Compensates for Changes in Temperature and Atmospheric Pressure	•	•	•
Flow Fault/Auto-restart	•	•	•

# SKC CHEK-MATE

## Unmatched Value and Performance



- 3 ranges
  - High Flow -- 5-30 L/Min
  - Med Flow -- .50-5 L/Min
  - Low Flow -- 20-500 ml/Min
- Accuracy of 1% of readings except for low flow between 20-50 which is 2.5%
- 9 volt battery with auto shut off



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- Essential
- Connect
- NoiseChek
- SoundChek
  - Essential
  - Connect
- CLI





Chuck Nachreiner  
VP Sales

THANK YOU FOR YOUR INTEREST IN THE  
**SKC *AirChek* Connect**



[www.skcinc.com](http://www.skcinc.com)

Please visit our website or call **800-752-8472**  
for sales and support.