



Introducing the *NEW* AirChek Sampling Pumps

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Technical Sales Representative



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
- 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
- Small, Lightweight & Ultra Quiet
 - 550g / 10.4 x 9.4 x 7.1 cm
- Intrinsically Safe
- Screen Lockout and protective cover



Key Features and Specifications

AirChek Connect

Li-Ion battery – 40+ hour run time

High back pressure compensation

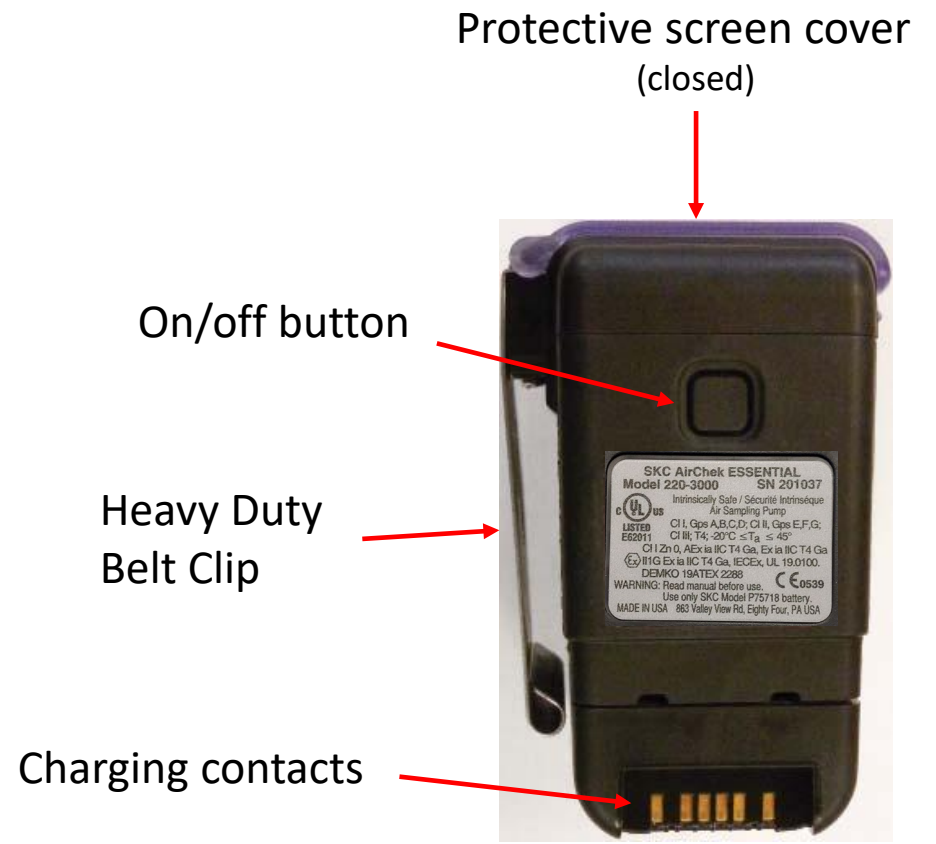
- * Up to 50 inches water at 2 L/min
- * 40+ hours at 2000 ml/min
- * 15+ hours at 5000 ml/min
- * Indefinite run from charging cradle

Results obtained using a new pump, new fully charged battery, and 37mm 0.8 μ m MCE filter



Physical Features

AirChek Connect



Physical Features

AirChek Connect



Power
Connection

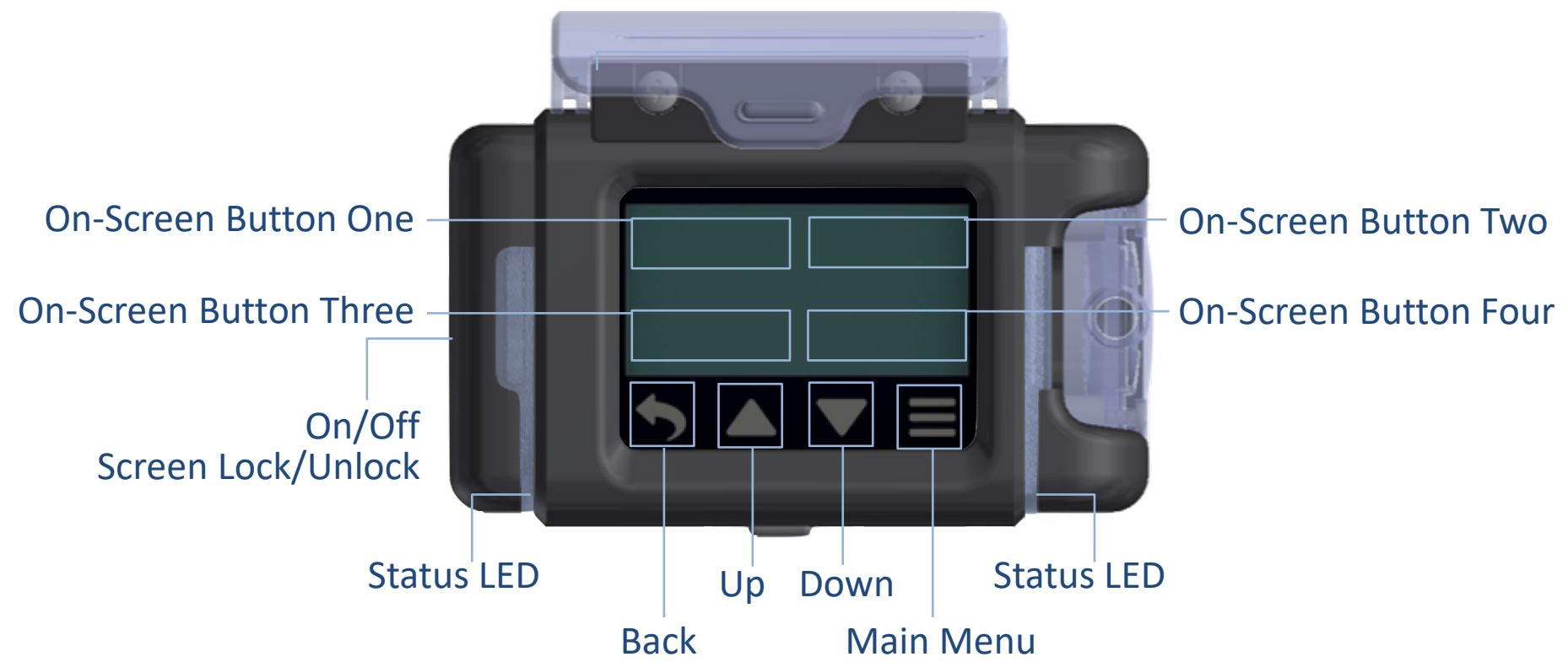
LED Indicators

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.

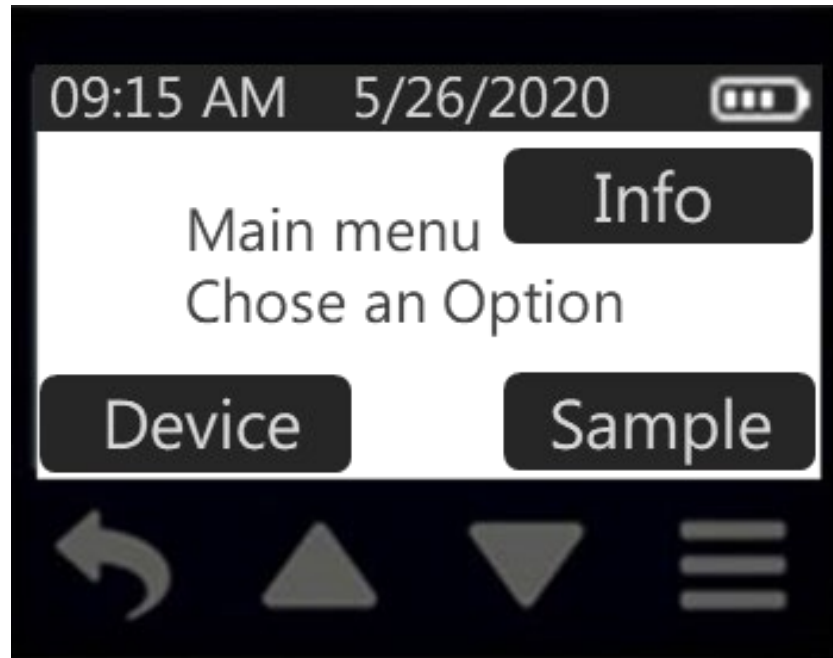
Main Menu button

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



Basic Operation

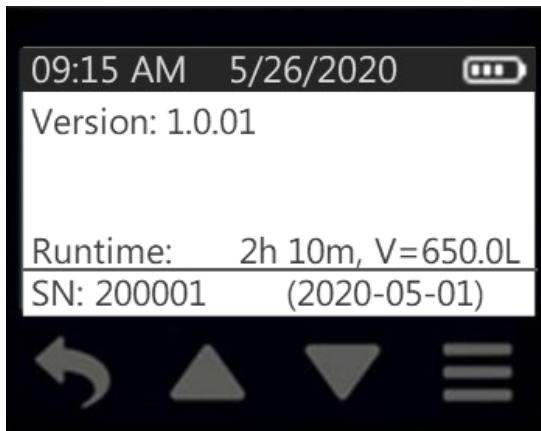
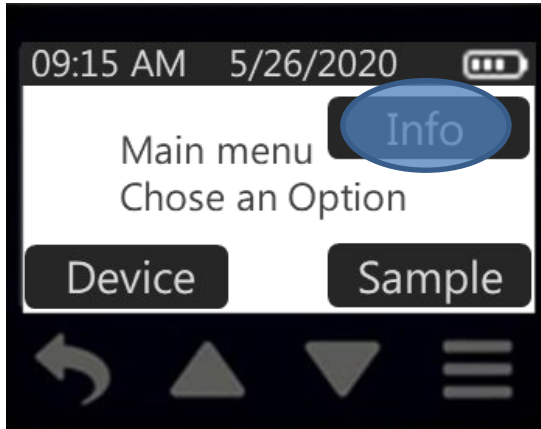
AirChek Connect



Powering up:

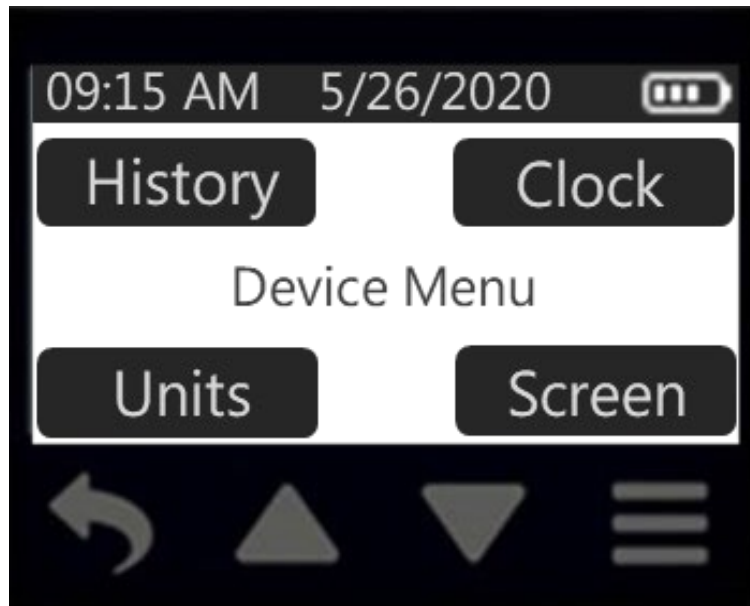
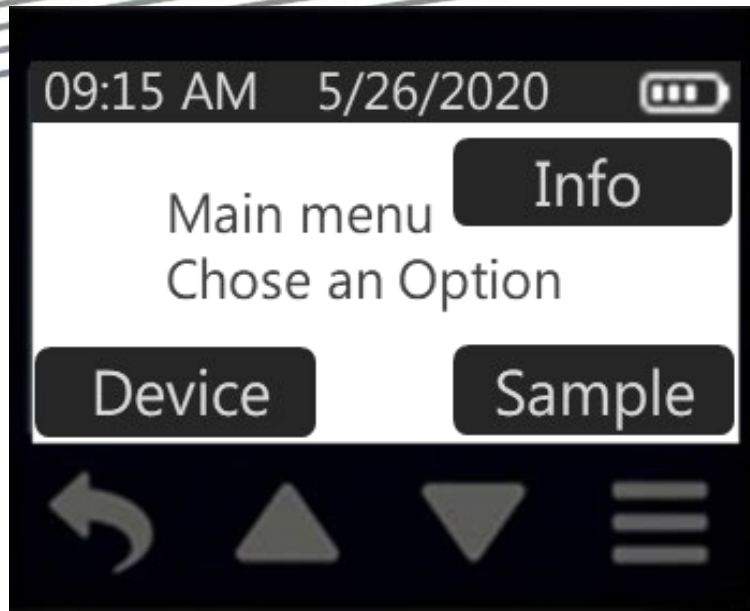
- Press and release the On/Off button (on Left Side of Pump Housing)
- Full character display
 - **Touch Points on display include Info, Device, and Sample. Back key, Up and Down Key, and Hamburger Icon.**

Key Pad Operation



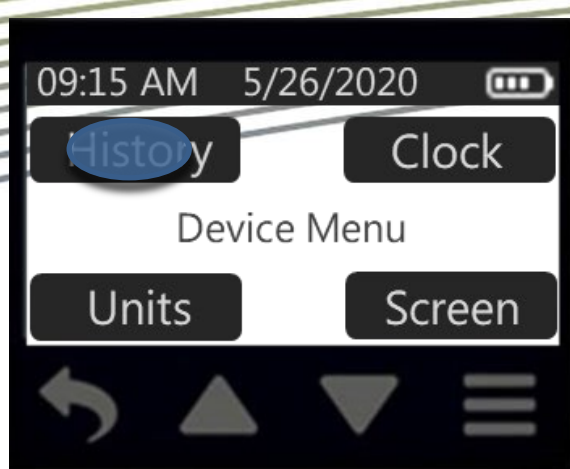
- Touch the Info Tab
 - Version of the Firmware
 - Serial Number

Device Tab Stettings

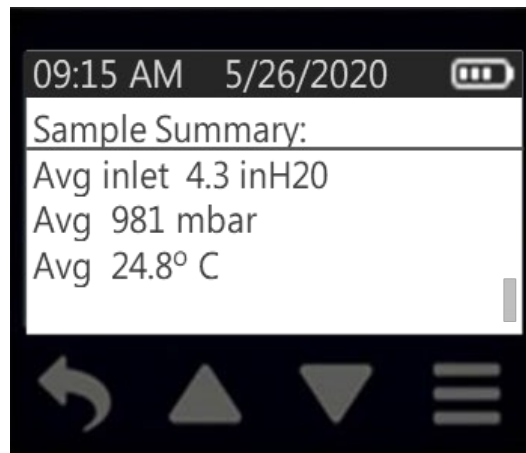
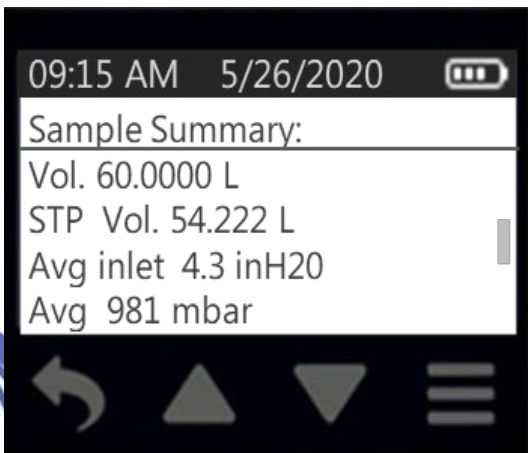
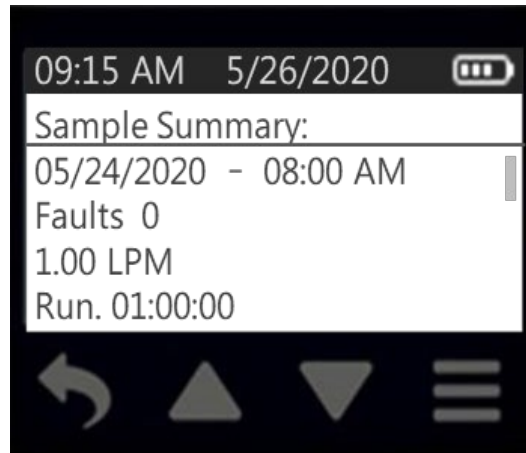
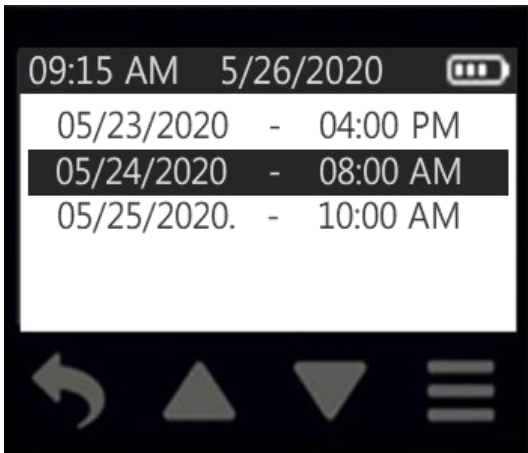


- History
- Clock
- Units
- Screen

Device Tab Settings

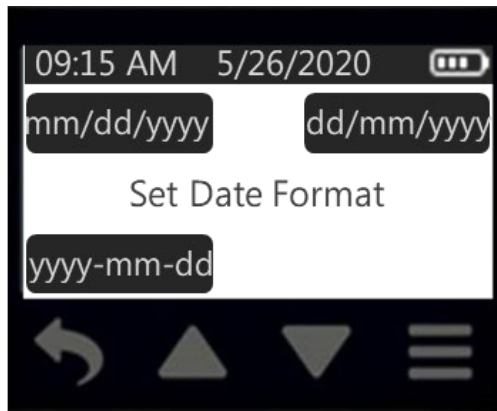
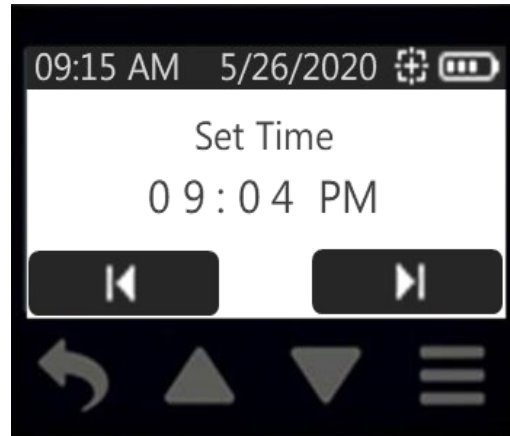
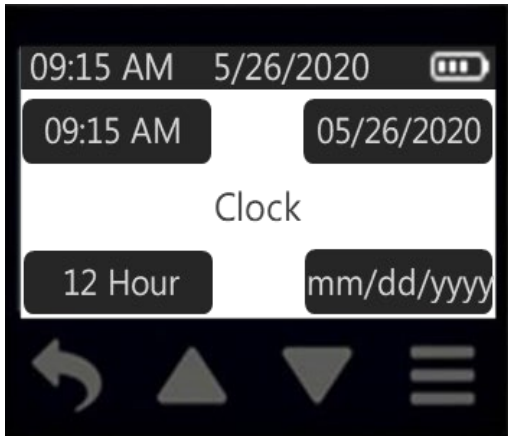
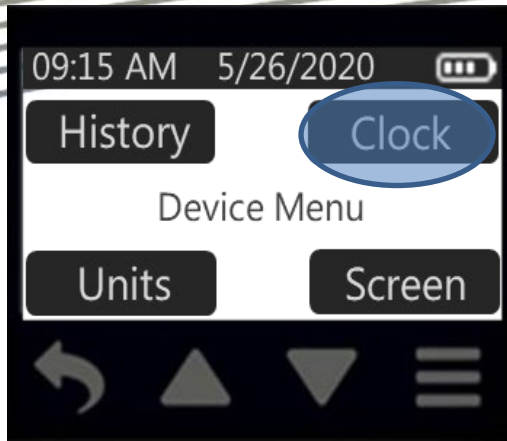


- History Tab
 - Allows you to review sample history on pump
 - Select and view specific samples.



Device Tab Settings

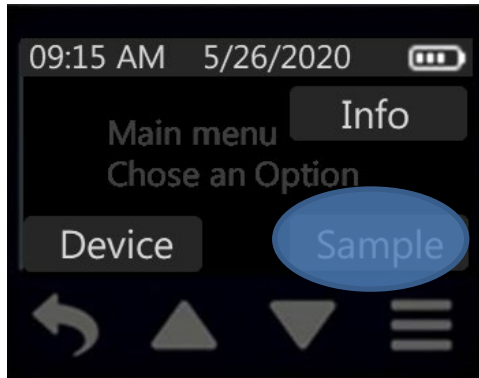
- Set the Time
- Choose Date Format



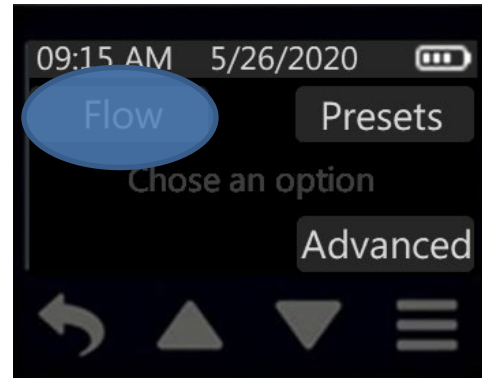
Basic Operation & Calibration

AirChek ESSENTIAL

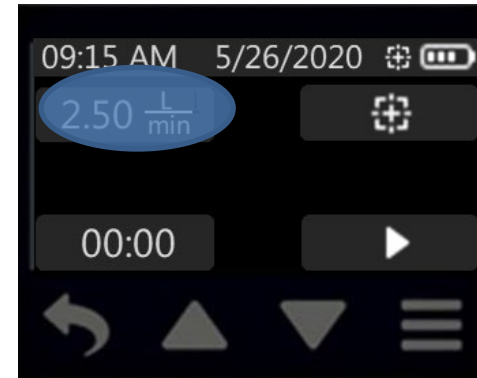
Pump Flow Adjustment/Calibration



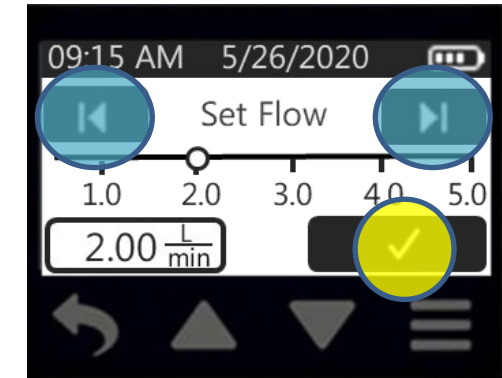
Touch Sample



>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

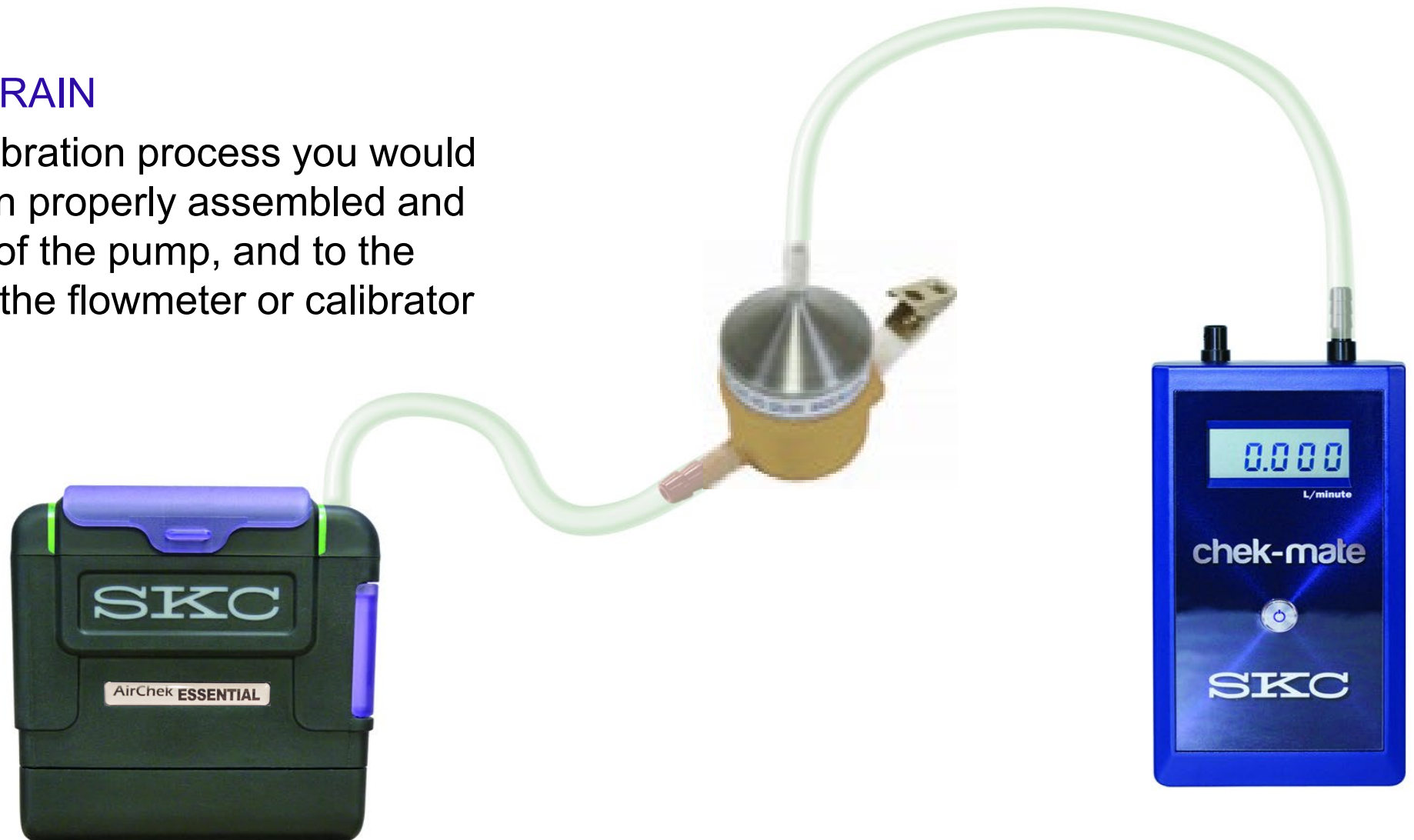
Touch check mark to accept selection and return to Flow Menu

Basic Operation & Calibration

AirChek ESSENTIAL

SET UP SAMPLING TRAIN

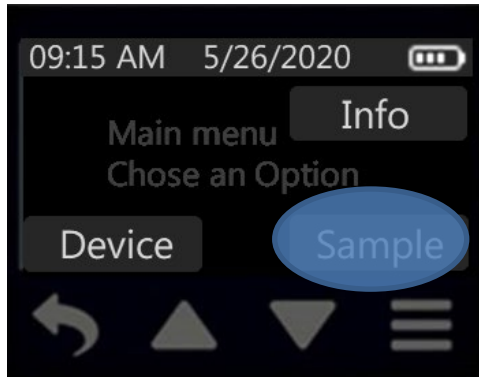
Before starting the calibration process you would have the sampling train properly assembled and connected to the inlet of the pump, and to the outlet (suction port) of the flowmeter or calibrator as shown here.



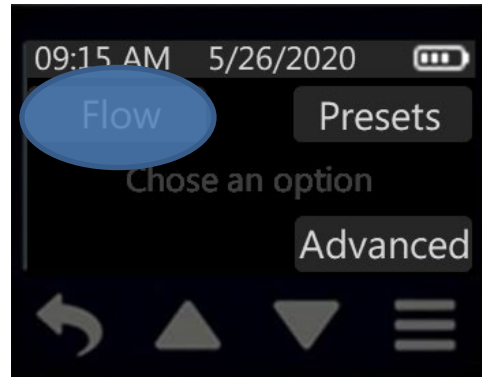
Basic Operation & Calibration

AirChek ESSENTIAL

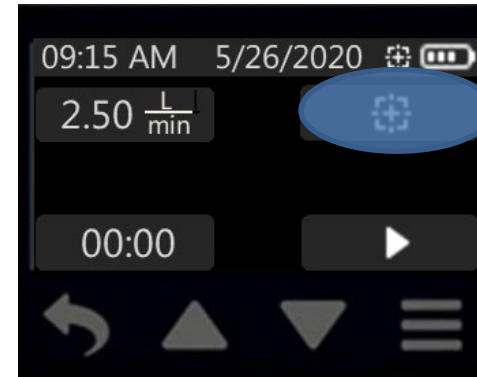
Pump Flow Adjustment/Calibration



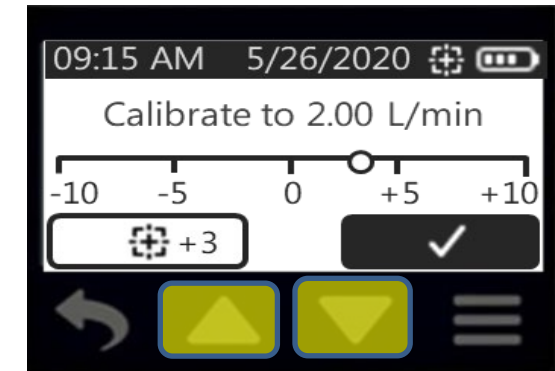
Touch Sample



>Touch Flow



>Touch calib display



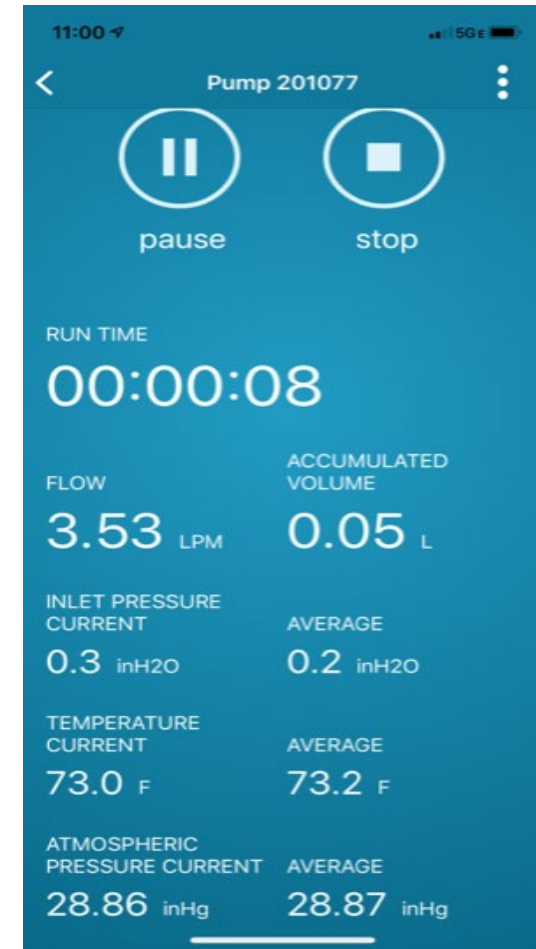
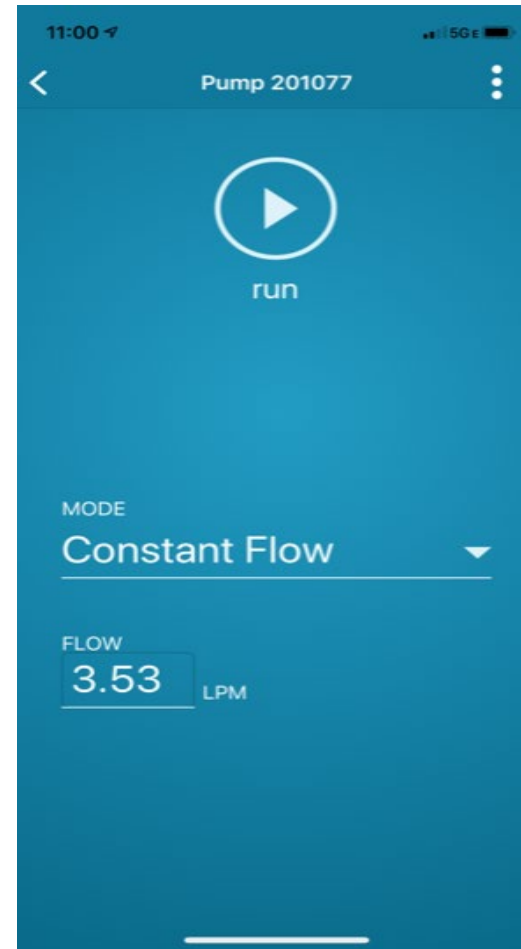
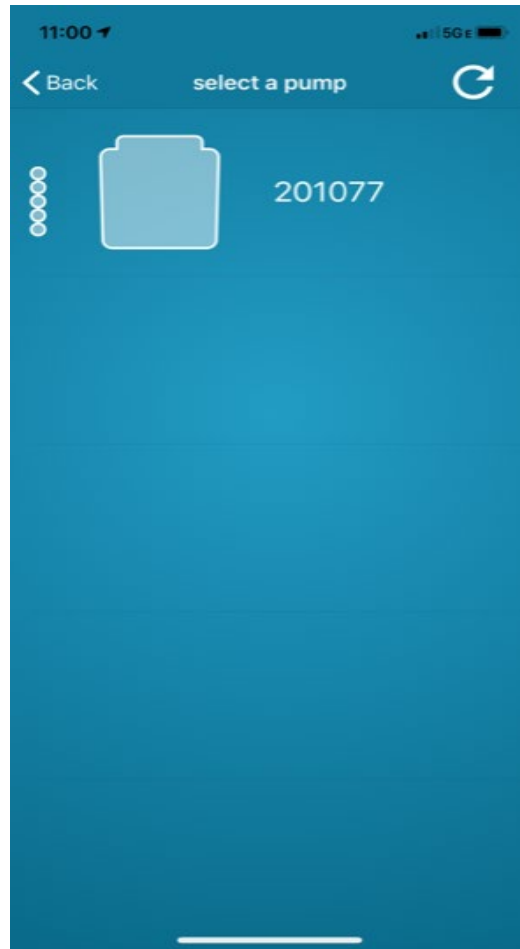
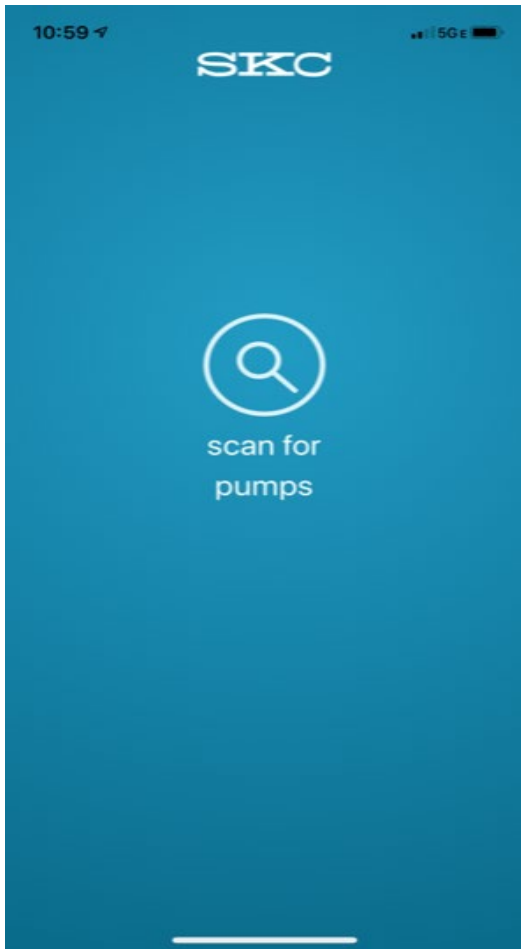
Pump will start running when you touch the calibration icon. **It is good practice to allow the pump to run for 10 to 15 minutes before calibrating the flow rate.**

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 ₂ O	79.7°F	29.00 inHg
Total		00:28		140.00 L	132.75 L	0.8 inH ₂ 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

Selection Guide

AirChek®	AirChek ESSENTIAL	AirChek TOUCH	AirChek CONNECT
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	•	•	•

Basic Operation **AirChek ESSENTIAL**

SKC SideKick
(AirChek 52)



Basic Operation

AirChek ESSENTIAL



Powering up:

- Press and release the On/Off button
- Full character display
 - **LOCKED** will appear when you have pressed the on/off button while the pump is running.
 - **FAULT** will appear if the pump could not maintain the set flow rate during the time of the run, even if it was able to auto restart and re-establish the flow rate
 - **Battery indicator**
 - **MAX or MIN**, accompanied by an up or down arrow. You have adjusted the pump to the highest or lowest level possible.
 - **Elapsed time**
 - **Relative Flow Indicator**

SKC IS PROUD TO INTRODUCE A NEW LOW FLOW SAMPLING PUMP

SKC POCKET PUMP TOUCH

Revolutionizes sampling with
sorbent tubes and sample bags



RELIABILITY COMBINES WITH INNOVATION IN THIS PUMP



Time-proven technology of
the original Pocket Pump



Enhanced in the new
Pocket Pump Touch



HAVE A LOOK AT THE EXCITING NEW FEATURES

TOUCH SCREEN NAVIGATION

for simple, intuitive operation. So easy that you don't have to read the instruction manual.



EIGHT-AREA CAPACITIVE TOUCH SCREEN

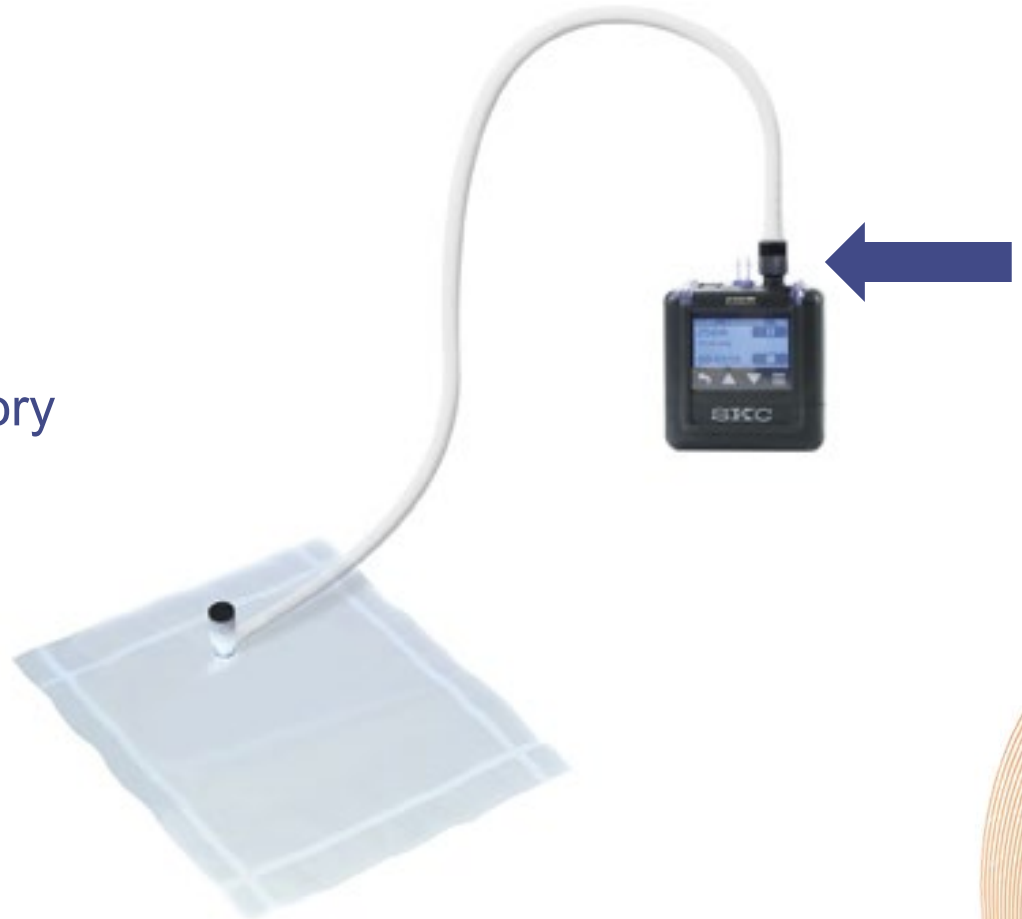
WITH AUTO-DIM AND LOCKING OPTIONS



EXHAUST PORT FOR BAG SAMPLING



Requires optional
quick-connect accessory



MAGNETIC CHARGING CONNECTOR WITH SURE CONNECT INDICATOR LIGHT



The magnetic charger plugs into any USB charging port with sufficient power. If the blue light comes on, the charger board has detected that the charger can provide sufficient power to the pump.



SUPER CHARGED POWER IN A COMPACT PACKAGE

- **PNEUMATIC STACK** is enhanced to provide low flows from 20 to 500 ml/min
- **PROVIDES LONG RUN TIMES** up to 20 hours at 500 mL/min
- **SIZE:** 3.2 x 3.8 x 1.5 in (8.1 x 9.7 x 3.8 cm)
- **WEIGHT:** 8.3 ounces (235 grams)
- Fits in a pocket.
- Unobtrusive on a belt.



BLUETOOTH ADDS CONNECTIVITY WITH PC AND DATATRAC PRO SOFTWARE

- Uses Bluetooth 4.0 (Bluetooth low-energy) connection.
- No configuration is required with the dongle.
- The dongle has custom software so that connecting to SKC DataTrac Pro software for Pocket Pump Touch is simple.
- Simply plug in the dongle, and DataTrac Pro software will automatically find and connect to any nearby pumps.



SOLID AND SECURE

INTRINSICALLY SAFE

- Pump case is made from tough polycarbonate over molded with a conductive thermoplastic elastomer.
- Pump was drop-tested using **several one-meter drops at -25 C** and still functioned properly.
- Belt clip is made from stainless steel and is easily replaceable.
- Sure-Connect charger uses powerful neodymium magnets.
- Touch screen has a replaceable, protective cover.
- IS approvals: UL, ATEX, and IECEx.



AIRCHEK TOUCH

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 1m 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)



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



www.skcinc.com

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