



# Catch the Wave

Pocket Pump **TOUCH** with SmartWave App

The **20 to 500 ml/min low flows** you need with the **remote connection** you want.



Intuitive **TOUCH** screen for easy operation and calibration



Bluetooth® connection for pump operation and monitoring from phones and tablets.



Air Sampling Solutions & Expertise

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



# Rocket Pump® TOUCH

with SmartWave App



## Intuitive touch screen for easy programmability

### Constant flows from 20 to 500 ml/min

- Accommodates typical flow rates for sorbent tubes

### Bluetooth low energy (BLE) communication

- With PC and DataTrac® Pro Software
- With iOS or Android tablets and phones using the SKC SmartWave App
- Non-BLE pump model available

### Exhaust port for direct filling of sample bags

- Optional quick-connect accessory for easy connection

### Magnetic charging connector

Large backlit screen displays: Time, date, constant battery status, flow rate, sample volume, temperature, atmospheric pressure, remaining run time (programmed run), and elapsed run time

Rubber overmolding on case provides quiet operation, impact protection, and a no-slip grip

## Compact and only 8.3 ounces (235 grams)

### > 20+ hours run time at 500 ml/min with powerful

#### Li-Ion battery

- Auto-dim feature conserves battery
- Extended run times with AC adapter/charger

### Multi-tube sampling

- Sample with up to four tubes simultaneously; saves time and uses fewer pumps (see *Accessories on page 4*)
- Constant flow and pressure modes

### Automatic flow fault and restart

### Screen lock prevents accidental tap errors

### SecureLock feature provides for passcode-secured sampling

- Also works with SmartWave App

### Easy calibration with new SKC Low Flow chek-mate Calibrator



Bluetooth® communication with PC and DataTrac® Pro Software or phones/tablets with SmartWave App



USB charging with magnetic connector and sure-connect LED indicator




Exhaust port with optional quick-connect accessory for secure bag sampling



Easy calibration with Low-Flow chek-mate Calibrator

## Performance Profile

Flow Range in Constant Flow Mode	20 to 500 ml/min
Compensation Range in Constant Flow Mode	20 to 500 ml/min up to 20 inches water back pressure
Pressure Range in Constant Pressure Mode	1 to 20 inches water
Flow Control System	Corrects for changes in back pressure, temperature, and atmospheric pressure
Power	Removable rechargeable Lithium-ion (Li-Ion) battery, 3.7 V, 2.6 Ah, 9.6 Wh or USB charger
Run Time (Li-Ion)	20+ hrs at 500 ml/min* up to 20 inches water back pressure, extended run times available with charger
Charging Time (varies with battery capacity and level of discharge)	≤ 10 hrs (≤ 4.5 hrs to 80%)
Accuracy	Constant flow control: ± 5% of set-point or ± 3 ml/min, whichever is higher Atmospheric pressure: ± 0.3 in Hg Temperature: ± 1 C Real-time clock: ± 1% Constant pressure mode: Reading ± 0.5 inch water
Temperature Ranges	Operating: 32 to 113 F (0 to 45 C) Charging: 32 to 113 F (0 to 45 C) Storage: -4 to 113 F (-20 to 45 C)
Humidity Range	≤ 95% RH, non-condensing
Altitude	Corrects flow for changes in temperature (32 to 113 F [0 to 45 C]) and ambient pressure up to 15,000 feet (4,572 meters) above and down to 2,300 feet (701 meters) below sea level
Flow Fault	After several seconds of restricted flow, the pump will stop running and go into flow fault mode. The pump will automatically try to restart. If flow restriction is resolved, the pump will continue the sample run. If flow restriction remains after five failed attempts at restart, the pump will stop completely and display Sample Summary.
Display Type/Parameters	High-contrast backlit LCD/Time, date, battery status, flow rate, sample volume, temperature, atmospheric pressure, back pressure, programmed run remaining time, and elapsed run time
User Interface	Eight-area capacitive touch screen with auto-dim and locking options
Dimensions	3.2 x 3.8 x 1.5 in (8.1 x 9.7 x 3.8 cm)
Weight	8.3 oz (235 gm)
Certifications/Markings	-Intrinsic safety (SKC Cat. No. 220-1000TC operated with SKC Battery Pack Cat. No. P76303) <div style="display: flex; align-items: center;"> <div style="text-align: center;">  </div> <div style="margin-left: 10px;">           Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III, T4;            Class I, Zone 0, Group IIC T4; Exia -20°C ≤ T<sub>a</sub> ≤ 45°C            Ex II 1G Exia IIC T4 Ga            IECEx UL 16.0113            DEMKO 16ATEX 1600            CE0539         </div> </div> -RoHS compliant
Case Material	IP 64-rated case, polycarbonate with rubberized anti-static overmolding
Communications with PC	Low-energy Bluetooth, requires DataTrac Pro for Pocket Pump TOUCH USB Bluetooth Adapter Cat. No. 877-94
Communications with iOS® or Android® Phones and Tablets	Low-energy Bluetooth, requires SmartWave App - available at the App Store and GooglePlay
Tubing	Requires 1/4-in ID tubing

\* Tested using 37-mm, 0.8-µm MCE filter with new pump and battery. Pump performance may vary.

iOS is a trademark of Cisco, registered in the U.S. and other countries.  
Android is a trademark of Google LLC

## Ordering

Description		Cat. No. With BLE	Cat. No. Without BLE
<b>Pocket Pump TOUCH only*</b> with Li-Ion battery and screwdriver, <i>requires charger; see kits or chargers below</i>		<b>220-1000TC</b>	<b>220-1000TCNB</b>
<b>Pocket Pump TOUCH with Charger*</b> includes pump as described above and single charger (cable and wall cube with U.S. plug)	<b>100-240 V</b>	<b>220-1000TC-C</b>	<b>220-1000TCNB-C</b>
<b>Pocket Pump TOUCH Starter Kit*</b> includes pump and single charger as described above, 3 feet (0.9 meter) of Tygon tubing, and collar clip with cable tie	<b>100-240 V</b>	<b>220-1000TC-S</b>	<b>220-1000TCNB-S</b>
<b>Single Pump Kit*</b> includes pump and single charger as described above and Type A single tube holder, in a soft-sided nylon carry case	<b>100-240 V</b>	<b>220-1000TC-K</b>	<b>220-1000TCNB-K</b>
<b>3-pack Pump Kit*</b> includes 3 pumps as described above, 3 single chargers (cables and wall cubes with U.S. plug), and 3 Type A single tube holders, in a Pelican case	<b>100-240 V</b>	<b>220-1000TC-K3</b>	<b>220-1000TCNB-K3</b>
<b>5-pack Pump Kit*</b> includes 5 pumps as described above, 5 single chargers (cables and wall cubes with U.S. plug), and 5 Type A single tube holders, in a Pelican case	<b>100-240 V</b>	<b>220-1000TC-K5</b>	<b>220-1000TCNB-K5</b>
<b>5-pack Deluxe Pump Kit*</b> includes 5 pumps as described above, 5 Type A single tube holders, 5 single charging cables, one 5-port USB charging hub with power cable (U.S. plug), and 1 DataTrac Pro USB Bluetooth Adapter (software available via free download), in a Pelican case	<b>100-240 V</b>	<b>220-1000TC-K5D</b>	<b>220-1000TCNB-K5D</b>
<b>Accessories</b>		<b>Cat. No.</b>	
<b>Single Charger</b> , USB, magnetic connector, supplied as cable and wall cube with U.S. plug	<b>100-240 V</b>	<b>220-300</b>	
<b>5-port USB Hub with power cable (U.S. plug)</b> , accommodates up to 5 USB chargers, <i>requires up to 5 single charging cables available as Cat. No. P75739</i>	<b>100-240 V</b>	<b>220-400</b>	
<b>Single Charging Cable</b> , USB, without wall cube		<b>P75739</b>	
<b>Replacement Li-Ion Battery Pack**</b>		<b>P76303</b>	
<b>Quick-connect Bag Sampling Adapter</b> , installs on pump exhaust port for secure connection to tubing for bag sampling, accepts 1/4-inch OD PTFE tubing		<b>220-200</b>	
<b>New!</b> <b>Low Flow chek-mate Calibrator</b> , 20 to 500 ml/min, includes a 9-volt alkaline battery with NIST-traceable calibration certificate with UKAS-traceable calibration certificate		<b>375-00205N</b> <b>375-00205</b>	
<b>Single Kit Case</b> , nylon, with shoulder strap		<b>224-903</b>	
<b>5-pack Kit Case</b> , Pelican		<b>224-915</b>	
<b>DataTrac Pro for Pocket Pump TOUCH USB Bluetooth adapter</b> , <i>required for free software download and use of DataTrac Pro Software</i>		<b>877-94</b>	
<b>SmartWave App for iOS and Android phones and tablets</b> , download directly onto device from the App Store or GooglePlay. Search on "SKC SmartWave"		<b>N/A</b>	

\* Pocket Pump TOUCH pumps contain Li-Ion batteries and are subject to special shipping regulations.

‡ Replacing batteries with non-approved battery packs voids any warranty and UL Listing for intrinsic safety.

Pocket Pump TOUCH requires 1/4-inch ID tubing

### SKC Limited Warranty and Return Policy

SKC products are subject to the SKC Limited Warranty and Return Policy, which provides SKC's sole liability and the buyer's exclusive remedy. To view the complete SKC Limited Warranty and Return Policy, go to <http://www.skccinc.com/warranty>.



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