

QUICK START GUIDE

SKC Pocket Pump TOUCH Sample Pump

Safety cautions, the parts of the pump, charging, switching on, the touch screen and the Main Menu, starting, pausing and stopping a sample, and replacing the battery pack with the SKC Pocket Pump TOUCH sample pump.

AMTC-QG-0020

Read this first

The full safety information is in the Safety chapter of the operating manual (AMTC-MN-0033). The installation and operation cautions and the markings of the pump are in the technical note AMTC-TN-0003, the caution guide supplied with the pump. Read them and the safety cautions below before you charge or run the pump. Not following them can damage the pump and impair its intrinsic safety. You can download both documents from the product page at analyt-mtc.com.

The SKC Pocket Pump TOUCH is a low flow sample pump for 20 to 500 mL/min with a touch screen. This guide takes you from the box to your first sample: the parts of the pump, charging the battery pack, switching on, the touch screen and the Main Menu, starting, pausing and stopping a sample, and replacing the battery pack. Setting and verifying the flow rate is described in the operating manual. This guide does not replace the operating manual.

Keep this guide for the lifetime of the product. The current revision is on the product page at analyt-mtc.com.

How this guide marks information

WARNING

A hazardous situation which, if not avoided, could result in death or serious injury.

NOTICE

Practices not related to personal injury — damage to the product, the process or the sample.

Note

Information that helps understanding; never a hazard.

Safety cautions

WARNING

Charging the battery pack, removing or replacing it, or running the pump from a charger in a hazardous atmosphere can ignite it. Charge, remove and replace the battery pack only in an area known to be non-hazardous, and never run the pump from a charger in a hazardous atmosphere. The maximum charge input voltage is Um = 5.5 V (for intrinsic safety purposes only).

WARNING

Substituting components can impair intrinsic safety, and another battery can present a risk of fire or explosion. Use only battery pack P76303 or P76303A and the charging cable of the Single USB Charger 220-300A. The battery packs were evaluated for a maximum charging voltage of 4.2 V DC and a maximum charging current of 400 mA; do not exceed these values.

⚠ WARNING

The battery can present a risk of fire or explosion when heated above 212 °F (100 °C) or incinerated. Do not open, disassemble, short-circuit or crush the battery pack, and do not dispose of it in fire.

⚠ WARNING

Service beyond the external parts can impair the performance of the pump and its intrinsic safety. In a hazardous location, the pump can then ignite an explosive atmosphere. Replace only the inlet filter, the battery pack, the screen protector and the belt clip yourself. Leave any other service to Analyt-MTC, and do not open the pumping compartment.

NOTICE

An unapproved battery or charging cable can damage the pump. Turn the pump off before you remove the battery pack. Outdoors, protect the pump from rain and from extended direct sun. When you move the pump from one temperature extreme to another, let it equilibrate. Where metallic dust is present, inspect the magnetic charging contact on the back of the pump and the magnetic connector of the charging cable carefully, and clean them with a small brush and canned or compressed air.

The warranty consequences of an unapproved battery or charging cable, of tampering with the battery pack, of opening the pumping compartment and of not following the warnings and cautions are set out in Analyt-MTC's terms.

Document information

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Revision history

Rev.	Date	Change
1	October 2026	First issue.

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CHAPTER 1

Supplied items

Check the contents

The Pocket Pump TOUCH pump, 220-1000TC, comes with a lithium-ion (Li-Ion) battery pack and a screwdriver (1.5 mm hex key). It needs a charger, which is ordered separately or comes in a kit. Check the delivery against your order; for the contents of a kit, ask Analyt-MTC.

The pump needs tubing of 1/4-inch inside diameter. To connect the pump to a PC by Bluetooth, it needs the DataTrac Pro USB Bluetooth Adapter 877-94 (see Accessories and replacement parts (p. 11)).

Know the pump



Figure 1-1. Pocket Pump TOUCH. Left: front; right: back.
1 Power on/off button (also locks and unlocks the screen) · **2** Inlet · **3** Exhaust, with cap · **4** Status LEDs · **5** Touch screen · **6** Battery pack · **7** Magnetic charging contact with LED · **8** Belt clip · **9** Battery screws (2)

CHAPTER 2

First use

Charge the battery pack

Charge the battery pack completely before you use the pump: a full charge takes about 10 hours, 80 % about 4.5 hours. Charge only in an area known to be non-hazardous (see Safety cautions (p. 2)). The pump charges from the mains, alone with a Single USB Charger or up to five pumps on the 5-port USB hub 220-400, or on the move from a PC or a portable power pack.

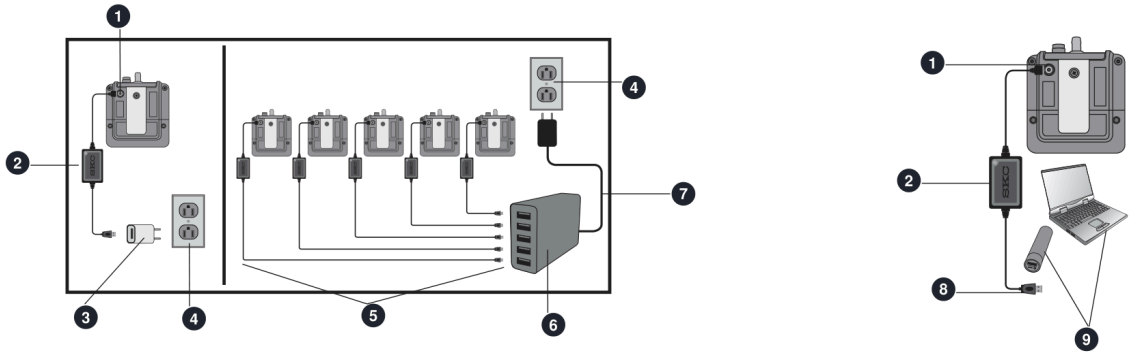


Figure 2-1. Charging from the mains: one pump with the Single USB Charger (left) or up to five pumps on the 5-port USB hub (centre). Charging on the move: from a portable power pack or a PC (right).
1 Magnetic charging contact · **2** Charging cable · **3** Mains adapter (wall cube) · **4** Wall outlet, 100–240 V · **5** Up to 5 charging cables · **6** 5-port USB hub · **7** Power cable · **8** USB connector · **9** Portable power pack or PC

1. Plug the USB connector of the charging cable into a USB port of one of these:
   - the mains adapter (wall cube) supplied with the Single USB Charger 220-300A, plugged into a standard 100–240 V wall outlet;
   - a PC or laptop (not supplied) with a full charge or plugged into a wall outlet;
   - a portable power pack (not supplied) with a full charge that is compatible with the Pocket Pump TOUCH.

   The blue LED on the charger lights.
2. Hold the magnetic charging connector of the cable closely over the charging contact on the back of the pump (7) until the LED behind the contact lights blue and the status LEDs blink red in a repeating pattern of right, inlet, left.
3. Leave the pump on the charger until the status LEDs show that charging is complete (below).

> **Note**
> USB ports and PC settings vary. When you charge from a PC, check midway through charging that more bars have appeared on the battery status icon.

Reading the charging status

LED activity	Charging status
Charging contact LED blue; inlet and corner LEDs red, flashing in a repeating pattern of right, inlet, left	Battery charging
Charging contact LED blue; inlet LED green, steady; corner LEDs green, blinking; outline of the battery status icon flashing	Battery charging complete

If the pump does not charge

What you see	What to do
The connector sits on the charging contact, but neither the charger LED nor the charging contact LED lights blue.	Check that the charging cable is connected to a mains adapter in a live outlet, to a PC connected to a power source, or to a fully charged power pack that is compatible with the Pocket Pump TOUCH.
Only the charger LED lights blue.	The charger has no connection with the charging contact of the pump. Check and reconnect the connector of the cable to the charging contact. Both LEDs light blue when the connection is right.

Operate the pump

The power on/off button is on top of the pump (1). Read the screen and its buttons below, then take the first sample (Take the first sample (p. 9)).

Battery status

The battery status icon at the top of the screen shows the charge remaining; its bars reduce in number as the charge is used.

Battery status icon	Battery charge remaining
 Four bars	Full charge, about 75–100 %
 Three bars	About 50–75 %
 Two bars	About 25–50 %
 One bar	About 3–25 %
 One bar, flashing	Less than 3 %; a flow fault is imminent. Charge the pump.

Touch screen

Touch the screen buttons gently with a fingertip, in the active areas shown in Figure 2-2. Immediately below the display are four navigation buttons.



Figure 2-2. Active touch areas.
1–4 On-screen buttons one to four · **5** Back · **6** Up · **7** Down · **8** Main Menu

Button	What it does
Back	Returns to the previous screen.
Up Arrow	Increases the selected value or moves up a list, range or display. Touch and hold to speed up the increment of flow or pressure settings.
Down Arrow	Decreases the selected value or moves down a list, range or display. Touch and hold to speed up the decrement of flow or pressure settings.
Main Menu	Goes or returns to the Main Menu, from which you can access all options.

Main Menu

Touch the Main Menu button, then touch the button for what you want to do:

Button	What it opens
Device	The device settings: the **`History`**, **`Clock`**, **`Units`** and **`Screen`** sub-menus, to view and choose the setting options.
Info	Information about the pump: firmware version, date of manufacture and serial number.
Sample	Flow rate, flow rate verification and sampling: the **`Flow`**, **`Presets`** and **`Advanced`** (constant pressure) sub-menus.

Take the first sample

1. Press the power on/off button (1). The screen lights up and shows the Flow screen.
2. Touch the Main Menu button.
3. Touch **`Sample`**, then **`Flow`**.
4. Touch Run ▶ to start the sample.
5. Press the power on/off button (1) to dim and lock the screen while the pump runs.

During and after the sample run:

To	Do this
Unlock	Press the power on/off button (1) again: the screen brightens and unlocks.
Pause	Touch Pause ⏸. Touch Run to resume.
Stop	Touch Stop ■. The Sample Summary is displayed; touch the Main Menu button to return to the Main Menu.
Turn off	When the pump is not running, press the power on/off button (1); the screen goes dark. The pump switches itself off after 5 minutes without any activity.

CHAPTER 3

Care and service

Replace the battery pack

Read the Safety cautions (p. 2) before you start. Change the battery pack only in an area known to be non-hazardous.

1. Turn the pump off: when it is not running, press the power on/off button on top of the pump (1); the screen goes dark.
2. With the 1.5 mm hex key supplied with the pump, loosen the two safety screws on the back of the battery pack housing (9).
3. Hold the pump with the belt clip facing up and the inlet pointing left. Grip the battery pack housing with your fingers just above its top screw and just below its bottom screw, and lift it up against the belt clip. Once the housing clears the pump case, pull it to the right, away from the pump case.
4. If you replace the battery pack with a new battery pack P76303 or P76303A, dispose of the used battery promptly and according to the local recycling or waste regulations. Do not disassemble the battery pack and do not dispose of it in fire.
5. Install the new battery pack, or install the existing one again:
   - Align the battery pack housing with the bottom of the pump case.
   - Push up the belt clip with the back of the housing until the battery pack is aligned with the pump case and presses easily into place. The housing must sit flush with the pump case.
   - Tighten the two screws on the back of the housing with the 1.5 mm hex key, in alternation.
6. Charge the battery pack completely before use (see Charge the battery pack (p. 6)).

> **Note**
> When the battery pack is attached again, the screen lights and then goes black while the pump checks its firmware. This takes about 20 seconds; the Main Menu is displayed as soon as the check is complete.

Clean the touch screen

Remove fingerprints from the touch screen with a soft, clean and dust-free cloth. Do not use alcohol to clean the screen.

Troubleshooting

Problem	Solution
The display of the pump is frozen.	Press the power on/off button to shut off the pump. Remove the battery pack (see Replace the battery pack (p. 10)) and install it again.
There are irregularities in the **`History`** records of the pump.	Delete the pump memory with the DataTrac Pro software.

Service

You may replace the external parts yourself: the inlet filter, the battery pack, the screen protector and the belt clip. Any other service is done by Analyt-MTC, so that the pump keeps its performance and its

intrinsic safety (see Safety cautions (p. 2)). For service, calibration, repair and technical support, contact Analyt-MTC; the contact details are on the back cover.

Accessories and replacement parts

Order from Analyt-MTC with the order codes.

Accessory or replacement part	Order code
Single USB Charger with magnetic connector: charging cable and mains adapter (wall cube, US plug), 100–240 V	220-300A
5-port USB Hub with power cable (US plug), 100–240 V; needs up to 5 single charging cables P75739	220-400
Single Charging Cable, USB, without wall cube	P75739
Replacement battery pack, Li-Ion*‡	P76303A
Quick-connect Bag Sampling Adapter; installs on the pump exhaust for a secure connection to tubing for bag sampling, accepts 1/4-inch outside diameter (OD) polytetrafluoroethylene (PTFE) tubing	220-200
DataTrac Pro USB Bluetooth Adapter, needed for the free download and use of the DataTrac Pro software	877-94
Single Kit Case, nylon, with shoulder strap	224-903
5-pack Kit Case, hard-sided	224-915
Low Flow Tube Holder (non-adjustable), with A size cover, for tubes of 6 mm OD x 70 mm long	222-3-1
The same, with B size cover, 8 mm OD x 110 mm long	222-3L-1
The same, with C size cover, 10 mm OD x 150 mm long	222-3XL-1
The same, with D size cover, 10 mm OD x 220 mm long	222-3XD-1
Constant Pressure Controller, for multiple-tube sampling in constant flow	224-26CPC-10
Adjustable Multiple-tube Low Flow Holder, Dual (holds up to 2 tubes)	224-26-02
The same, Tri (holds up to 3 tubes)	224-26-03
The same, Quad (holds up to 4 tubes)	224-26-04
Tube cover A, 6 mm OD x 70 mm long	224-29A
Tube cover B, 8 mm OD x 110 mm long	224-29B
Tube cover C, 10 mm OD x 150 mm long	224-29C
Tube cover D, 10 mm OD x 220 mm long	224-29D
Low Flow chek-mate Flowmeter, 20–500 mL/min, with 9 V alkaline battery; calibration certificate traceable to UK standards	375-00205
The same, with a calibration certificate traceable to ISO standards	375-00205S
The same, with a calibration certificate traceable to NIST standards	Ask Analyt-MTC

* Li-Ion batteries are subject to special shipping regulations. ‡ A non-approved, repaired or rebuilt battery pack voids the UL listing for intrinsic safety.

CHAPTER 4

Where to find more

This guide covers the first use of the pump. The documents below go further; you can download them from the product page at analyt-mtc.com, or ask Analyt-MTC.

Related documents

Document	Number	What it covers
SKC Pocket Pump TOUCH Sample Pump — Operating manual	AMTC-MN-0033	The full safety information and the complete operating instructions for the pump, including setting and verifying the flow rate, sampling, the display and the device settings.
SKC Pocket Pump TOUCH Sample Pump — Technical note	AMTC-TN-0003	The installation and operation cautions, the markings of the pump, and replacing the battery pack.
SKC Pocket Pump TOUCH Sample Pump — Technical data sheet	AMTC-SS-0037	Specifications, kits and accessories of the pump.
SKC DataTrac Pro Software for Bluetooth-connected Pumps — Operating manual	AMTC-MN-0032	The DataTrac Pro software used with the USB Bluetooth Adapter 877-94.

Contact and support

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Before you call

Have the following at hand so Analyt-MTC can help you quickly:

- the serial number and firmware version of the pump, under **`Info`** in the Main Menu;
- what you were doing, and what the status LEDs or the screen showed.

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