ANALYT MESSTECHNIK




TECHNICAL NOTE

# SKC Pocket Pump TOUCH Sample Pump

Certification markings, intrinsic-safety warnings, battery cautions and battery replacement for the SKC Pocket Pump TOUCH sample pump, model 220-1000TC.

AMTC-TN-0003

# About this note

The SKC Pocket Pump TOUCH, model 220-1000TC, is certified for use in hazardous locations. This note lists what that certification depends on: the markings on the pump label, the warnings that keep the pump intrinsically safe, the limits of its battery pack, and how to change the battery pack correctly.

Read Safety cautions (p. 4) before you charge the pump or take it into a hazardous area for the first time, and keep this note with the pump. Setting up, flow rate verification and sampling are covered in the operating instructions of the pump.

## How this note marks information

**⚠ WARNING**

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

## Document information

| | |
|---|---|
| Title | SKC Pocket Pump TOUCH Sample Pump — Technical note |
| Document number | AMTC-TN-0003 |
| Revision | Rev. 2 — October 2026 |
| Applies to | SKC Pocket Pump TOUCH sample pump, model 220-1000TC |
| Language | English |
| Manufacturer | SKC Inc. |

## Revision history

| Rev. | Date | Change |
|---|---|---|
| 2 | October 2026 | Quality programme: new document type, number and identity pages. |
| 1 | October 2026 | First issue. |

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CHAPTER 1

# Safety cautions

The model 220-1000TC is an intrinsically safe air sampling pump. The rating holds only with an approved SKC battery pack, the approved SKC charger and no substituted parts. Read every notice below before you charge the pump or use it in a hazardous area.

## Markings on the pump label

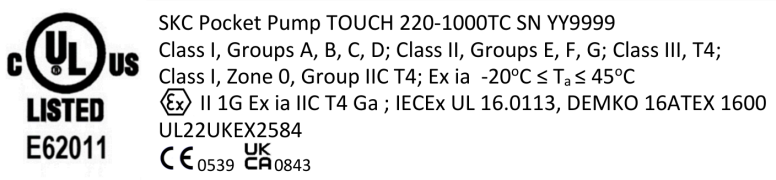



**Figure 1-1.** Markings block of the rating label, as printed on the pump.

| | |
|---|---|
| Model | SKC Pocket Pump TOUCH 220-1000TC, with its serial number |
| North American listing | cULus Listed, file E62011 |
| Classes and divisions | Class I, Groups A, B, C, D; Class II, Groups E, F, G; Class III; temperature class T4 |
| Zones | Class I, Zone 0, Group IIC T4; Ex ia |
| Ambient temperature | −20 °C ≤ $T_a$ ≤ 45 °C (applies to the whole rating) |
| ATEX and IECEx | Ex symbol (hexagon), II 1G Ex ia IIC T4 Ga |
| Certificates | IECEx UL 16.0113; DEMKO 16ATEX 1600; UL22UKEX2584 |
| Conformity marks | CE 0539; UKCA 0843 |

## Warnings

**⚠ WARNING**

Charging the pump, or removing or fitting its battery pack, where the atmosphere may be explosive can ignite that atmosphere. Charge the pump and change its battery pack only in a non-hazardous area.

**⚠ WARNING**

A charger other than the SKC charger 220-300A, or a charge input voltage above $U_m$ = 5.5 V, impairs the intrinsic safety of the pump. In a hazardous location, the pump can then ignite an explosive atmosphere. Charge the pump only with the SKC charger 220-300A, and never exceed a charge input voltage of 5.5 V.

**⚠ WARNING**

A part replaced by one that is not approved can impair the intrinsic safety of the pump. In a hazardous location, the pump can then ignite an explosive atmosphere. Do not replace any component with a part that is not approved.

## Battery cautions

**⚠ WARNING**

Only the SKC Unlisted Component Battery Packs, models P76303 and P76303A, were evaluated as components of the pump, and neither carries a listing of its own. Any other battery can catch fire or explode. Replace the battery only with battery pack P76303 or P76303A.

**⚠ WARNING**

Heated above 100 °C (212 °F) or burned, the battery can catch fire or explode. Never heat the battery above 100 °C (212 °F) or put it in a fire.

**⚠ WARNING**

**Charging limits of the battery pack.** The approved packs were evaluated for a maximum charging voltage of 4.2 V DC and a maximum charging current of 400 mA. Charging outside these limits can cause a fire or an explosion. Never exceed these limits.

CHAPTER 2

# Battery replacement

## Replace the battery pack

**⚠ WARNING**

Changing the battery pack where the atmosphere may be explosive can ignite that atmosphere. A pack other than P76303 or P76303A can catch fire or explode. Read the Safety cautions (p. 4) first. Change the battery pack only in a non-hazardous area, and fit only an approved pack, P76303 or P76303A.

You need a 1.5 mm hex key or hex driver.

1. Switch the pump off with the on/off button.
2. Loosen the two screws on the bottom of the battery pack.
3. Lift the battery pack up towards the belt clip. As soon as it is clear of the pump case, pull it away from the case.
4. To fit a pack, line it up with the bottom of the pump case and push it up towards the belt clip until it presses easily into place.
5. Tighten the two battery screws.

CHAPTER 3

# Ordering information

Order from Analyt-MTC with the order codes.

## Service and spare parts

Contact Analyt-MTC for service, calibration, repair, returns, spare parts and technical support for your SKC Pocket Pump TOUCH; warranty matters follow Analyt-MTC's terms of sale. Have the model and serial number from the pump label ready. Analyt-MTC's contact details are in Contacts (p. 8) and on the back cover.

Other chargers or battery packs can impair the intrinsic safety of the pump (see Safety cautions (p. 4)).

**Table 3-1. Approved power parts**

| Approved part | Order code |
|---|---|
| Battery pack, Li-ion | P76303 or P76303A |
| Charger | 220-300A |

For any other version, contact Analyt-MTC.

CHAPTER 4

# Contacts

## Contact and support

**ANALYT-MTC Messtechnik GmbH**

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**Before you call**

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

- the model and serial number from the pump label;
- the part number of the battery pack and the charger you use;
- what you were doing and what the pump showed or did.

**ANALYT-MTC Messtechnik GmbH**

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