

Installation Instructions

Kit CA76NA

Starter kit



1 Scope of delivery

The scope of delivery comprises:

- 1 pH electrode for analyzer CA76NA
 - 1 sodium electrode for analyzer CA76NA
 - 1 standard solution for analyzer CA76NA
 - 1 printed Installation Instructions
- If you have any queries:
Please contact your supplier or local sales center.

2 Mounting

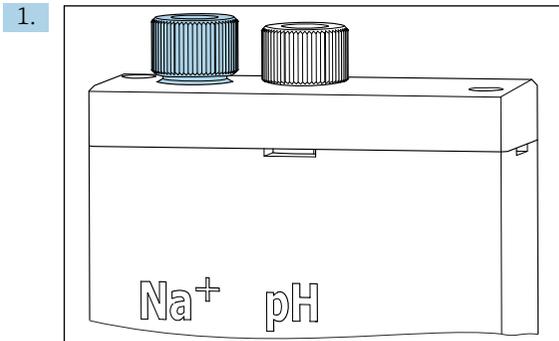
2.1 Installing electrodes

Preparing electrodes

1. The analyzer is switched off or the operating mode is **OFF**.
Fill the measuring unit halfway with deionized water so that the electrodes do not dry out after installation.
2. Remove the electrodes from the packaging. The sodium electrode is marked "Na" on the shaft. The pH electrode has no marking.
3. Remove the lower sealing cap with the saline solution. If there are any salt crystals on the electrode, rinse them off carefully with deionized water.

The electrodes are now ready to be installed.

Installing the electrodes



Loosen the screw connection on the measuring unit.

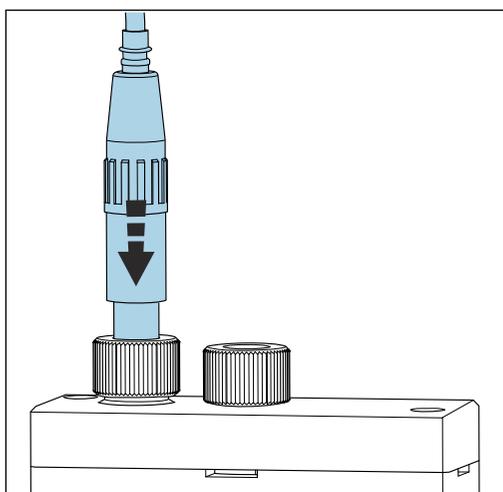
2. Fit the plug of the cable marked "Na+" onto the sodium electrode.
3. Fit the plug of the cable marked "pH" onto the pH electrode.

4. The plugs have a right-hand thread. Tighten the plugs by hand.

5. **NOTICE**

Risk of damaging the electrodes during the installation and removal procedure

- ▶ Exercise care when inserting the electrodes into, and removing the electrodes from, the chambers of the flow through cell.
- ▶ Do not touch against the glass bulbs of the electrodes.
- ▶ The electrodes are very fragile. Exercise great care when handling the electrodes.
- ▶ Avoid air bubbles in the glass bulbs. If air bubbles are present, hold the electrode in a vertical position and shake it gently to remove the bubbles.
- ▶ Do not allow the glass bulbs of the electrodes to become dry. Fit the electrodes with the protection caps after removal.
- ▶ Protect the cable connections and plugs against corrosion and moisture.



Carefully insert the electrode as far as it will go into the left-hand chamber (sodium) or right-hand chamber (pH).

6. Tighten the screw connection by hand.

2.2 Connecting the bottle with standard solution

⚠ WARNING

Contact of chemicals with eyes and skin, and inhalation of vapors

Damage to the skin, eyes and respiratory organs

- ▶ Wear protective goggles, protective gloves and a lab coat when working with chemicals.
- ▶ Avoid any skin contact with chemicals.
- ▶ Do not inhale any vapors.
- ▶ Ensure the area is well ventilated.
- ▶ Comply with further instructions in the safety data sheets for the chemicals used.

CAUTION**Fire hazard**

- ▶ Make sure there are no sources of ignition, e.g. hot surfaces, in the vicinity
- ▶ Do not smoke

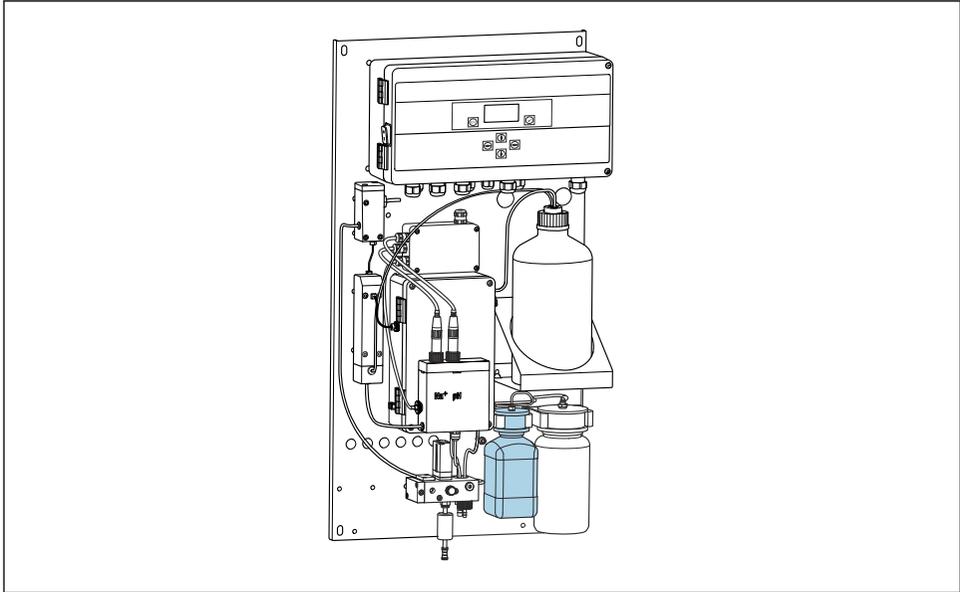
NOTICE**Escaping chemicals can contaminate the device**

Incorrect measurements

- ▶ When changing the hoses, do not contaminate the hose ends with chemicals.
- ▶ Allow the ends of the hoses to drain fully.
- ▶ Do not touch the hoses when changing the standard solution.
- ▶ Ensure the area is well ventilated.

Replace the standard solution if the **No Reagent!** error message appears on the display, or if the standard solution is past the maximum shelf life date (6 months from date of production).

If the 0.5 liter (16.9 fl.oz) bottle containing standard solution is available, replace the empty bottle with it. This bottle can be ordered as an accessory.



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 1 Connected bottle for sodium standard solution, including head

 Do not touch the hoses when changing the standard solution.

1. Switch off the automatic mode via **Maintenance/Operating Mode/Mode = Off**.
 - ↳ The device stops the program currently running. The analyzer is in the standby mode.

2. Unscrew the standard solution bottle from the head.
3. Carefully remove the standard solution bottle towards the bottom.
4. Screw the new bottle containing the standard solution into the head provided, while making sure not to touch the hose.
5. If larger containers of the standard solution have been purchased, top up the bottle with 0.5 liter (16.9 fl.oz) of standard solution (5100 µg/l (ppb) Na⁺) and screw it back into the holder.
6. Under **Maintenance/Reagent Exchange**, select the **Yes** option.
7. After replacing, execute the "Fill" sequence under **Maintenance/Operating Mode/Manual**. There should not be any air in the pipe system after replacing the solution. This would cause inaccuracies during the calibrations and measured errors during the subsequent measurements.

This completes the process of replacing the standard solution.



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