

AMI Codes II

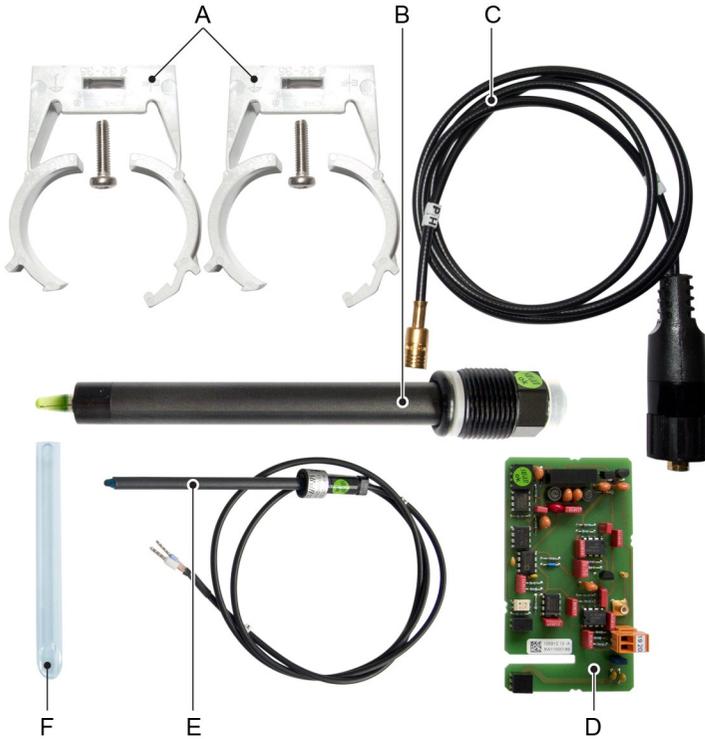
Installation of Option pH
A-87.127.020

swan
Analytical Instruments

SWAN ANALYTISCHE INSTRUMENTE AG, CH-8340 Hinwil
TEL. +41 44 943 63 00, FAX +41 44 943 63 01 e-mail swan@swan.ch

Installing pH option for AMI Codes II

Retrofit Kit Overview



A 2 Clamps with screws

B pH sensor

C Sensor cable

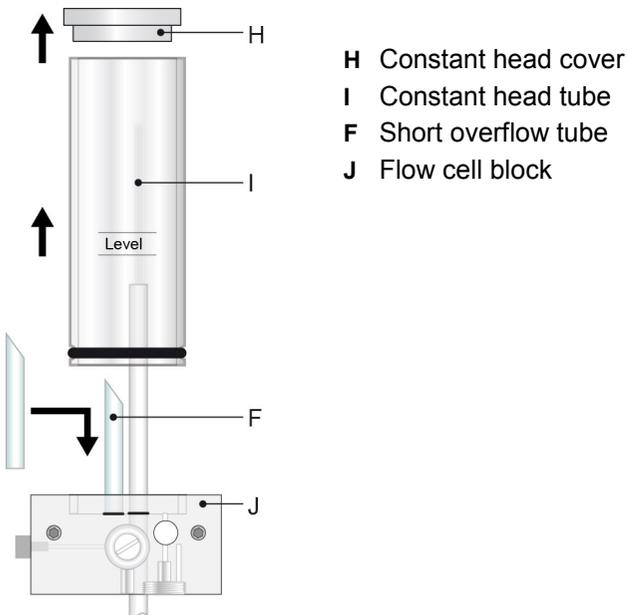
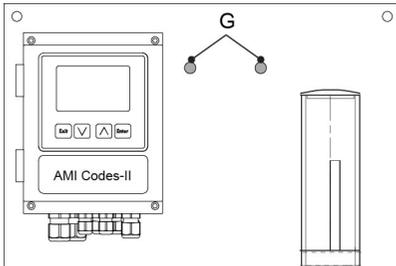
D Front end PCB

E Temperature sensor

F Short overflow tube

Install the Electrode Into the Flow Cell

1. Screw the clamps for calibration solution onto the panel. Use the already drilled holes [G]



2. Stop sample flow. Wait until flow cell is empty.
3. Switch off the AMI transmitter (disconnect power)
4. Remove the constant head cover [H] and the constant head tube [I] from the flow cell block [J].
5. Insert the short overflow tube [F] into the outlet hole leading to the photometer.
6. Install the constant head tube and the constant head cover.

Install the Front-End and Connect the Sensors

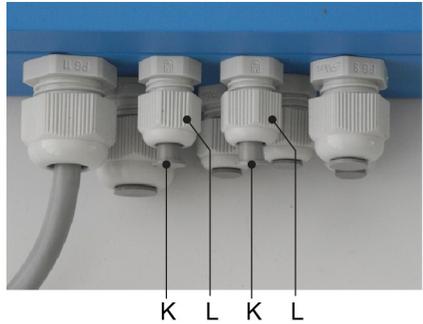


WARNING

Risk of electrical shock.

Do not perform any work on electrical components if the transmitter is switched on. Failure to follow safety instructions could result in serious injury or death.

- Always turn off AC power before manipulating electric parts.

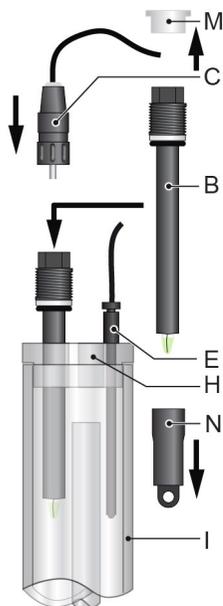


- E** Temperature sensor plug
- C** pH sensor plug
- D** Front end PCB

- K** Blind plugs
- L** Cable glands

1. Open the cover of the AMI transmitter housing.
2. Install the front end PCB [D].
3. Remove the blind plugs [K] from the cable glands [L].
4. Feed the cables of the pH sensor and the temperature sensor through the cable glands [L] into the transmitter housing.
5. Tighten the cable glands.
6. Connect the pH cable to the socket on the front end PCB.
7. Connect the temperature sensor cable to the plug [E] as follows:
Terminal 19: line
Terminal 20: shielded
8. Close the cover of the AMI transmitter housing.

Install the Electrode Into the Flow Cell



- M** Connector cap
- C** pH sensor plug
- B** pH sensor
- E** Temperature sensor
- H** Constant head cover
- N** Protective cap
- I** Constant head tube

1. Carefully pull off the protective cap [N] from the pH electrode [B].
2. Insert the pH electrode into one of the holes of the constant head cover [E].
3. Insert the temperature sensor [E] into the small hole.
4. Remove the connector cap [M] from the connector of the pH electrode. Store cap in safe place.
5. Screw the connector [C] onto the pH electrode.
6. Turn on sample flow and wait until flow cell has been filled completely.
7. Switch power on.
⇒ *The instrument automatically detects the front end PCB during start-up.*

