5. Replacing the needle

* Order the needle (Model:NN-2116R-12 / vertical hole type, 12-pc. set)

(1) Remove the needle from the membrane filter. Dispose of the spent needle according to local rules. It cannot be reused.

(2) Attach a new needle.

6. Replacing the membrane filter

- (1) Remove the needle from the membrane filter.
- (2) Remove the membrane filter from the check valve.
- (3) Attach the new membrane filter.
- (4) Attach the needle.

7. Replacing the check valve

- (1) Remove the membrane filter and needle from the check valve.
- (2) Remove the check valve from the samplig tube with fitting.
- (3) Attach the new check valve onto the samplig tube with fitting.
- (4) Attach the membrane filter and needle.

7. Replacing the oxygen sensor

- (1) Remove the main cover.
- (2) Turn the sensor counterclockwise and pull it straight out.
- (3) Pull the sensor out of the probe. At this time, confirm that the O-ring for housing is properly mounted on the groove.
- (4) Align the new sensor with the insertion hole on the probe, and insert it.
- (5) Turn the sensor clockwise and align it to the mark on the housing.
- (6) Mount the main cover.

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Hold the rotating section with fingers so that it does not spin while removing the membrane filter

* Order the check valve (RO-CV, 3-pc. set)



* Order the oxygen sensor (WAGNIT[®] Model:WA-SGF)

Main cove

Oxygen

sensor



https://www.iijima-e.co.jp/

Residual Oxygen Meter

PACK KEEPER Model:RO-105KS



1. Calibrating the span

- Once a day, calibrate the span before taking the first measurement. (There is no need to calibrate before each measurement.)

Ideally, calibrate when the oxygen sensor temperature and temperature sensor temperature are sufficiently stable, such as first thing in the morning, indoors before turning on the air-conditioning.

1. Release the needle to the atmosphere.



The Menu screen opens.

3. Press

4. Hold down

for 1 second or longer.

The calibration starts, and the Stability Decision screen opens. A beep sounds, "CAL complete" appears (approx. 1 second), and then the O₂ MEASURE screen opens. The calibration process is completed.



Progress bar

The calibration value is saved even if the power is turned OFF, the batteries are removed, or AC adaptor is disconnected.

If the "Sensor Error" message appears, refer to the section "Error Messages" in the operation manual enclosed with the product, and confirm and remedy the situation.

R0105STS-0310E





2. Measurement

* Only the PACK LEADER (RO-105LS) can simultaneously measure and display the O₂ concentration and CO₂ concentration.

1. Attach enclosed adhesive rubber over the air space, and insert the needle.

Do not suction the contents.

A measurement error will occur if powder, etc., gets clogged in the needle.

Note that the minute amount of liquid in the sample gas is blocked by the membrane filter.



2. Press START

The measurement is completed when a beep sounds and the stabilized measured value appears.



3. Recording the measured value



The measured value for which the stability has been automatically decided is saved in the internal memory.



* Only the PACK LEADER (RO-105LS) can

and CO₂ concentration.

simultaneously record the O₂ concentration

Displays for approx. 1 sec.

Confirming the measurement history

1. When the Measurement Standby screen is

displayed, press



The HISTORY screen opens.



- When rest is pressed, the older data is displayed three items at a time.

- To delete a record, such as when a measurement value has been accidentally saved, hold down Remoi on the HISTORY screen for 1 second or longer. The contents of the data saved last are erased from the internal memory.

4. Checking for clogging

check for clogging.

displayed, press -MENU



3. Expose the tip of the needle to the atmosphere.

