

# Surface Salinity Meter SSM-21P Quick Instruction Manual

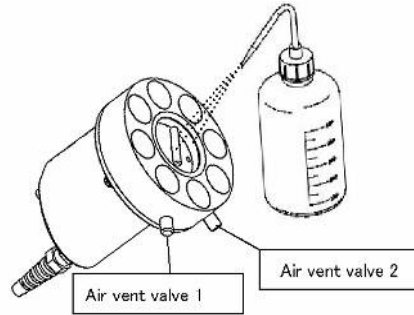
Salinity measurement of surface to be coated using Surface Salinity Meter

(  $\square\square\square$  and **SAL** are displayed when in **PSPC Mode**.)



1

Connect the meter part to the measuring cell. Press the **POWER** key to turn the meter on and press the **MODE** key to get  $\mu\text{S}/\text{cm}$  units.



2

Clean the inside of the measuring cell using pure water. Air vent valve 1 and Air vent valve 2 should be closed.



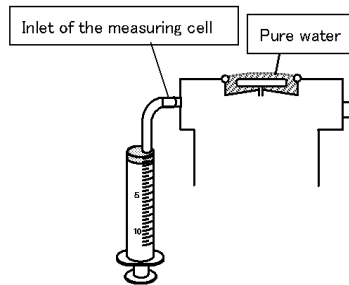
3

Press the **SELECT/CLEAR** key to clear previous measured data.



4

Prepare pure water in a beaker and draw 10mL of the pure water into the syringe from the beaker.



5

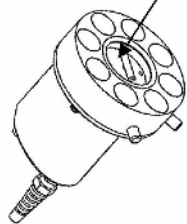
Connect the tube from the syringe to the inlet of the measuring cell and inject the pure water into the measuring cell. Ensure that the measuring cell is inverted to contain the water that has just been injected into it.



6

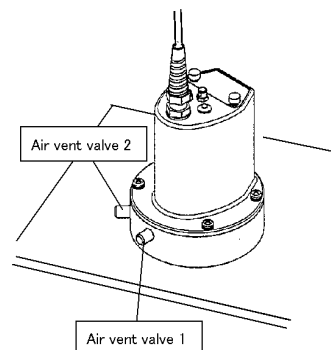
Press the **ZERO** key to perform zero correction. Then press the **MODE** key to get  $\text{mg}/\text{m}^2$  units.

Wipe off the remaining water thoroughly.



7

Dispose of the water in the measuring cell. Wipe off the remaining water in the measuring cell thoroughly using tissue paper or a cotton swab.



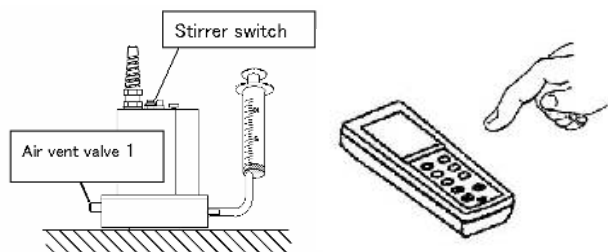
8

Fix the measuring cell onto the surface to be measured.



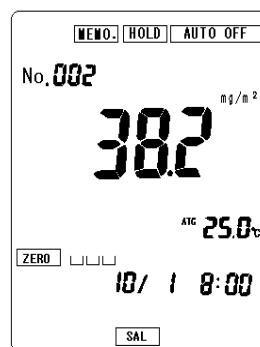
9

Draw 10mL of the pure water into the syringe from the beaker.



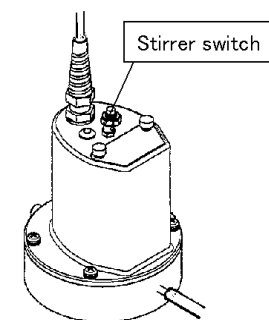
10

Open the Air vent valve 1 a half-turn and connect the tube from the syringe to the inlet of the measuring cell. Inject the pure water into the measuring cell then close the Air vent valve 1. Press the **START/DATA IN** key on the meter and press the stirrer switch on the measuring cell.



11

A reading of the water-soluble salts appears on the display after one minute.



12

Press the stirrer switch on the measuring cell to stop the stirrer.