

Using the Thermo pH Meter: measuring the pH of soils

- Switch on the device.
- **Remove the cap** containing the **ROSS** electrode solution (**NB ≠ KCl**)
- **Open the electrolyte refilling hole by sliding the rubber ring.**

Calibration

- Press the « Mode (Enter) » key.
- Press the « Cal » key.
- Rinse the electrode with MiliQ water and gently remove the residual water drops with a Kimtech paper.
- Immerse the electrode in the 1st buffer solution and press the key (Start with the lowest pH value).
- Let it stabilize for a few minutes until « READY » appears.
- Press the « Cal » key.
- Rinse, dry and introduce the electrode into the 2nd pad.
- Do the same with the 3rd tampon.
- At the end press the « Mode (Enter) » key to save the calibration.

pH measurement

- Check that the instrument is turned on.
- Remove the cap containing the ROSS electrode solution (NB ≠ KCl).
- Open the electrolyte filling hole.
- Rinse the pH probe with MiliQ water and delicately remove the drops of water with Kimtech paper.
- Immerse the probe in the solution to be analyzed.
- Wait for the measurement to stabilize and record.

At the end of analysis

- Rinse the pH probe with MiliQ water and gently remove the drops of water with a Kimtech paper.
- Replace the cap to keep the electrode in the ROSS solution (NB ≠ KCl).
- **Close the electrolyte filling hole.**

***NB: DO NOT LET THE
ELECTRODE DRY IN THE AIR!
ALWAYS RETURN THE
ELECTRODE INTO THE KCL AND
CLOSE THE FILLING ORIFICE!***