

USER MANUAL



PH2010 ph soiltester





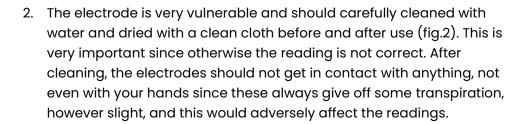


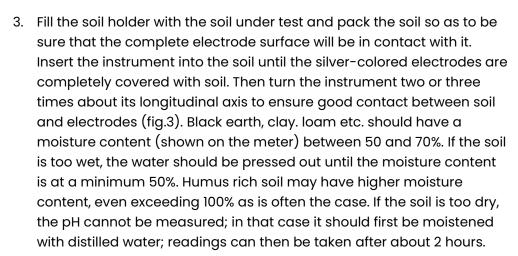




How to use the pH-meter

 Take the instrument out of its case and check that the needle indicates pH 7 (fig.1). If this is not the case it can be very simple adjusted. Remove the cover and glass window from the instrument and carefully turn the adjusting screw clockwise or counter-clockwise, as the case may be.





- 4. To measure the moisture content in the soil, press the white button; the moisture content can be read off immediately. After use, clean the electrodes thoroughly with water and wipe off with a dry cloth (fig.2). Normal soil used for cultivation will seldom have a moisture content below 30% as is the case e.g. with dry sand.
- 5. It takes the needle about three minutes to get stabilized. Next the pH can be read off (fig.4). DO NOT allow the meter to stay in the soil for more than 5 minutes. This will prevent undue corrosion of the electrodes.



Fig. 1



Fig. 2



Fig.3



Fig.





Practical hints

- 1. A fluctuating needle may have any of the following causes:
- 2. The soil does not completely cover the electrodes. A high salt content in the soil, a high iron, magnesium content etc. The soil has recently been manured so that you actually measure the manure.
- 3. Rust on the electrodes clean and free from rust. Surface corrosion will detrimentally affect the sensitivity of the instrument, which in that case will no longer indicate reliable pH, and moisture values may be removed with sand. After cleaning, wait at least half an hour before taking readings.
- 4. H.T. masts or other sources of stray currents in the neighborhood of the soil to be measured are likely to cause the instrument to give too high pH and moisture readings. Accurate readings are impossible in places such as these.
- 5. The operation of the instrument being based on current generation through contact with the soil, the readings will depend to some extent on degree in which the soil has been packed down, and on the moisture content of the soil. It is recommended therefore to take the average of 5 or 6 readings.
- 6. The instrument should be handled with the utmost care. Do not drop it, do not expose it to strong vibrations, impact etc. We wish to emphasize that the pH-meter is meant to test whether the soil has the correct pH value so that in case of deviation you can protect your crop from damage in time.
- 7. If the result is negative, you can take action immediately and this save yourself quite a bit of trouble. The moisture tester incorporated in the instrument is NOT intended for determining the exact moisture content in the soil but ONLY to determine whether the soil has the right moisture content for taking pH readings.

Specifications

Scale : pH 3½ - 8

Moisture : 0 - 100%

Accuracy : 10%

Size : 160 x 50 mm Weight : 170 grams



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0297 325836 info@nieuwkoopbv.nl www.meten.nl

