

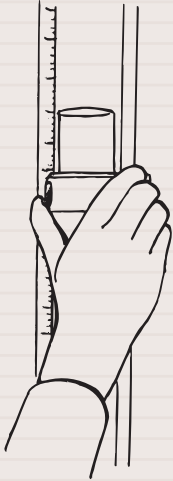


CALCIMETER

You will return to the contents of P1 SOIL by clicking the pictogram

P1.85

Setting the zero level.



The quantity of sample needed is determined beforehand by treating a part of the sample with hydrochloric acid on a watch glass. The carbonate content is estimated on the basis of the extend and the period of bubbling. Based on this estimate the quantity of sample for the analysis is determined.

With this calcimeter no balloon is used to keep the CO₂ separate from the water (to prevent any gas from dissolving in the water). This results in much more accurate measuring results.

As a consequence of the repeatability and the accuracy, a series of measurements should be executed in a room in which there are no differences in temperature exceeding 4°C. In addition the reagents used must meet the standards for analysis.

It should also be considered that other gasses (for instance in polluted soils) may be released.

The gas will then have to be purified first and the CO₂ will have to be determined otherwise.

Advantages

- The apparatus is easy to control.
- It is possible, by contrast to other equipment, to process multiple samples simultaneously.
- A very stable and gas-proof system.
- Compact, ergonomic design.
- Less vulnerable glass parts.
- Not tied to a fixed location in the laboratory (moveable).
- Adjusting is easy.
- Meets the standards NEN 5757 and DIN 19682 and 19684.

BENEFITS

08.53 Calcimeter

- Accurate measurements the easiest way
- 5 flasks allow batchwise working
- Rapid results
- Modern tool to suit the professional lab



Buffer vessels of the calcimeter