

Complete test kit for taking moisture measurements using the “carbide bomb” method

Application

- For measuring the moisture content of certain materials using the “carbide bomb” method

Properties

- The measurement can be done on site.
- Fast results.
- The measurement is not influenced by the presence of salts.
- Contents of the test kit:
 - o Pressure vessel with manometer
 - o 100 ampoules of calcium carbide
 - o Scale
 - o Bowl
 - o Steel balls
 - o Manual
 - o Hammer

Directions

Work method

- Take a sample from the substrate (between 5 gr and 20 gr) by slow drilling or chiselling.
- Grind the sample down if needed.
- Weigh accurately.
- Place the sample, the steel balls and a calcium carbide ampoule inside the pressure vessel.
- Seal the pressure vessel.
- Shake the vessel so the steel balls break the calcium carbide ampoule inside.
- Moisture in the sample will come into contact with the calcium carbide from the ampoule and form acetylene gas, creating pressure.
- Read the moisture content on the manometer. The value is indicated next to the number of grams used.

Important remarks

- Be careful when opening the pressure vessel, do so in a controlled manner.
- Clean the inside of the pressure vessel without using water after each measurement.
- For a detailed description of this and other measurement methods, please refer to the BBRI’s technical information note (NIT/TV) 252 (available in Dutch or French). The carbide bomb method is described in paragraph 3.1.2.2.

Pictures



Packaging

1 test kit in a case

Safety information – Transport – Handling and storage - Waste

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Considerations

The data included in this sheet, the application advices and other recommendations are based on extensive research and experience. They are however not binding also in relation to third party liability. They do not protect the customer against checking the products and directions for their suitability for the purpose. The characteristics and properties described are average values and analyses registered at 20°C, variances are tolerated. Our customer service will gladly answer your questions. The rewrite of this sheet replaces all previous sheets.