

ELECTRONIC DENSIMETER 300 & 200 SERIES:FAQ(2)

■ For testing

<For solid samples>

Q: How do you remove the air bubble cling to the sample?

A:

- Shake in water or a liquid medium when you soak the sample.
- Drop some surfactant. (eg. detergent)
- Soak the sample in ethanol before testing.

Q: In the case where the sample absorbs water, how do you test it?

A: Test the sample continuously with Printer or PC and set the standard based on the results.

Q: If the samples includes “air bubbles which can’t escaped”, how do you test it?

A: The water does not sink into this kind of sample. This means we can not get actual density value. The value should be used as a standard only.

<For pellet samples>

Q: If the samples float in water, how do you test it?

A: If the pellets spread in water easily, it would be impossible to test. In this case, please try to test the samples by using the ethanol as a liquid medium. If the samples still float in ethanol, please use a small net like basket with a lid, which is made of wire. You put the samples in it and sink in the water for testing.

<For liquid samples>

Q: What is the maximum viscosity of liquid sample can you test?

A: Basically, you can measure the liquid less than 100cP.

GLASS SAMPLE which weigh about 20g should be sunk in the liquid without pressure.

The test will be impossible if viscosity is too high and the G.S. doesn't sink into the liquid. (eg. mayonnaise can't be tested.)

■ Others

Q: I often test the sample in a day. I sometimes use ethanol for preventing the air bubble in water. In these cases, the water would become muddy. Does this cause any problem on the result of test?

A: It depends on the muddiness but may cause an error on the result. We recommend you to change the water if it becomes muddy. (eg. once in a day)

Q: Is there any solution for decreasing a value of error?

A: If you use a sample, which has a minimum weight for testing, you can decrease a value of error. (See the ‘Necessary Weight Against Density’ on the instruction manual.)

Q: How often do you do the calibration?

A: If you always use the densimeter at the same place, we recommend doing calibration at least once a month. (once a week is desirable) If you move the densimeter to other place, please do calibration surely.

Q: Is there any notice when we use the densimeters?

A: Please be careful not to drop water on densimeters in order to avoid troubles. The wind by air conditioner causes “Error” on the display. Please be careful of direct hit by the wind, vibration, and shock by some reasons.