

Setup illustration and User manual of the Small Sample Adapter

When there are few liquid samples to be tested, a small number of sample adapters should be selected, which include: one connecting hook; One connecting rod; One set of spindles (one each for spindles 21, 27, 28, and 29); One measuring cylinder; One water bath jacket. Before use, carefully read the "Viscometer User Manual" and complete the installation of the viscometer. When in use, remove the various components of the adapter from the dedicated storage box and assemble them according to the following requirements and steps (refer to the bottom left figure) for measurement.

1. Connect the connecting hook and connecting rod, and then connect the large open end of the connecting rod to the selected spindle. To reduce measurement errors, the direction of the connection between the connecting rod and the spindle must be as shown in the lower right figure;

2. Connect the connecting hook to the spindle of the host. First, gently lift the spindle upwards with your left hand and pinch it tightly. Then, hold the connecting hook with your right hand and (when viewed from above) gently tighten both clockwise;

3. Place the graduated cylinder containing the sample (10-20 milliliters) into the water bath jacket, then move the water bath jacket to below the spindle. Rotate the lifting knob to slowly lower the main engine, allowing the spindle to smoothly enter the graduated cylinder. The liquid level mark of the spindle should be slightly lower than the upper end face of the graduated cylinder, and a certain distance should be maintained between the bottom of the spindle and the inner bottom plane of the graduated cylinder. Carefully adjust the horizontal adjustment foot to ensure that the horizontal bubble in the level gauge on the base of the water bath jacket is in the center position. At the same time, slightly move the water bath jacket to ensure that the spindle is in the center position of the measuring cylinder, avoiding friction between the spindle and the inner wall of the measuring cylinder. If equipped with a constant temperature water bath, a hose can be used to connect it to the inlet and outlet on the side of the water bath jacket, and the temperature of the measured liquid can be controlled by circulating water to reduce measurement errors;

4. Enter the spindle number and set the speed according to the requirements and methods in Article 7, Items 5, 6, and 8 of the "Rotational Viscometer User Manual", and then press the <Run> button to measure the viscosity of the measured liquid (the measured value of torque between 20% and 90% is the effective value).



Spindle set

liquid-level-mark

