

**KAN XIANG**

**KU-3 VISCOMETER**  
**Instruction manual**

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### **1. Overview:**

Ku-3 viscometer is used for the measurement of paint and other coatings used KU value that viscosity test equipment. The equipment can simultaneously show the sample viscosity KU value, CP (cps) g (grams), as well as at room temperature

The apparatus by the microcomputer control. Mixing blades by special Constant speed motor drive to 200r/min rotational speed, mixing blades rotate in the sample resistance moment by computer conversion to KU value (Krebs K rebs) units (KU) generated 200 r / min rotational speed required to load a logarithmic function, the general used for the Brush and viscosity) said. The operator simply mixing blades into the sample to the provisions of the depth, you can directly from the device to read the samples corresponding to KU value, CP (cps) g (grams).

The design of the machines based on ASTM-D562 standards and GB9269-88 standards

### **2. Technical parameters:**

measuring range: 40.2KU-141.0 KU (KU) value 32g-1099g (load), 27 cp-5250cp

measurement accuracy: 1.5% of full-scale measurement

repeatability: 1.5% of full-scale

stirring shaft speed: 200 r / min  $\pm$  1 r / min

Container capacity: about 500ml

input voltage: 15V50HZ

Power: 10W

Dimensions: 210mm \* 180mm \* 500mm (L \* W \* H)

Weight: 10kg

### **3. Test environment:**

the devices should be placed away from the strong currents and strong magnetic field, strong electric field, strong electrical pulse interference and the formation of a solid table. In order to ensure the safety of the operator, the laboratory should be reliable power outlet grounding. Laboratory temperature should be 23 °C  $\pm$  2 °C, relative humidity should be not more than 75 °C. Sample temperature should be 23 °C  $\pm$  0.2 °C

### **4. Operation and use:**

4.1 to equipment removed from the box under the table.

4.2 removed from the box mixing blades, in accordance with the Outline to be inserted in the shaft sleeve, and with top-tight screws, attention should be top of the top tight screws mixing blades in the flat on the mouth.

4.3 plug in the power plug, open the back of the power switch, LCD display KU value,  $\phi$ , CP, g zero readings.

4.4 will bring their own instruments Add sample containers, the liquid from the container around the mouth 10mm

4.5 will be installed sample containers on the vessel cradle, press the handle off and landing, will be mixing blades immersion sample, the mixing blades axis markers flush with the surface. Automatically begin functioning equipment.

4.6 After a few seconds display sample of the KU value, CP (cps) g (grams) (the sample must go through a few seconds, stirring to evenly dynamic equilibrium that is, at this time shows the data is accurate of.) measuring

4.7 after the end of the handle to lift off and landing height, location close to the maximum limit of a device that allows machines remain at that location. Instrument stop turning, and re-enter

## **5. Precautions:**

5.1 there are precision measuring parts in the cabinet of the instrument, which should be handled with care.

5.2 the instrument is a special instrument. If the special personnel do not open the instrument shell by themselves, it will not affect the measurement accuracy of the instrument.

5.3 when the instrument is not in use temporarily, the lifting handle of the instrument should be kept on the high limit device instead of at a lower position, otherwise the lifting and lowering may be inflexible.

5.4 it is necessary to come to the company for inspection once a year, or send it to the relevant measurement supervision department for testing once.