BGD 184

Krebs Stormer Viscometer

Operation Instruction

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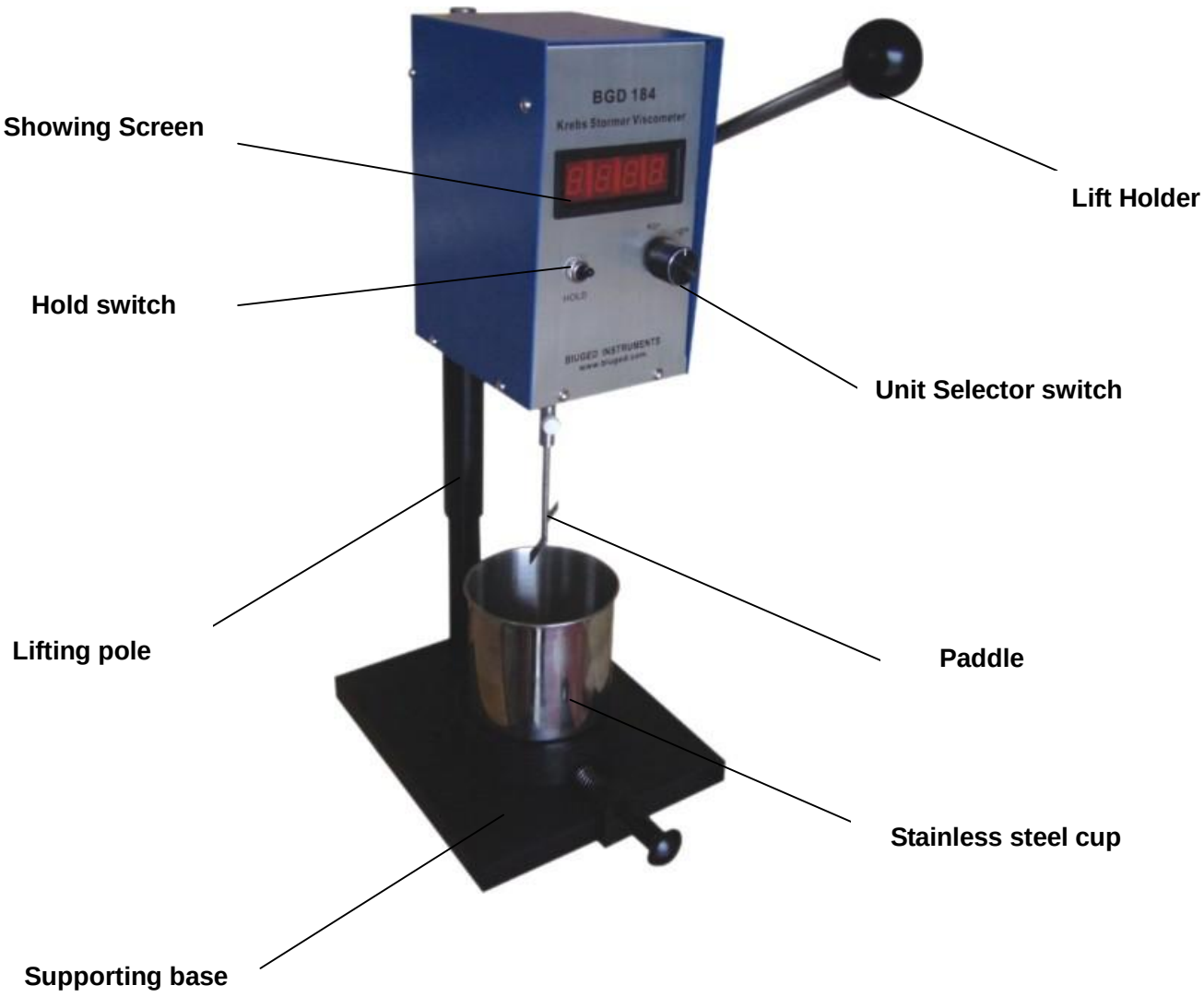
1.0 Introduction:

BGD 184 Stormer Viscometer is the newest instrument used to determine the viscosity of the paints and other coating materials that are expressed with KU values. It is a improved product of BGD 184 Stormer Viscometer. The operator can directly read out the KU values and the associated gram value (gm) of the tested samples from the display at the same time.

This Stormer Viscometer is controlled by microcomputer. A paddle type spindle is driven at 200rpm by a constant speed motor. The reaction torque of the spindle rotating at 200rpm is converted to viscosity in Kreb Units. In order to increase the consistency of the testing results, the instrument is designed to delete the bias datas automatically. Operator immerse the spindle into the fluid. If the correct amount of fluid has been put into the container, the surface of the fluid will be at the immersion mark of the spindle. The operator can directly read out the KU values or the associated gram value (gm) of the tested samples from the display.

It conforms to ASTM D 562.

BGD 184 Stormer Viscometer is an instrument applicable to determine the viscosity of the paint



2.0 Main Technical Parameters:

2.1 Test Range: 40.2KU-141.0KU；32g-1099g；150 mPa • s -4000mPa • s

2.2 Accuracy: ±15% of full scale range;

2.3 Repeatability: ±1% of full scale range;

2.4 Paddle speed: 200r.p.m±1r.p.m;

2.5 Volume of a container: approximately 500ml;

2.6 Input voltage: 220V /50Hz;

2.7 Power: 10W

2.8 Overall dimensions: 210mm×180mm×500mm (length by width by height)

2.9 Weight: 10kg

3.0 Test Environment:

3.1 When installing the viscometer, locate the instrument on a sturdy bench apart from environment of strong draught, strong magnetic field, strong electrical field, strong electromagnetic pulse disturbance.

3.2 Be sure that it is safer for an operator, attach the power cord to the appropriate power source (grounded outlet).

3.3 Testing Environment: 25℃±2℃, relative humidity should not be over 75%.

3.4 Sample temperature should be 25℃±2℃.

4.0 Operation and Usage:

4.1 Take the machine out from the box, put it on the worktable.

4.2 Take the viscometer handle out from the box, tighten the handle.

4.3 Take the paddle out from the box, loosen the thumb screw on the viscometer shaft, insert the paddle spindle into the viscometer shaft, as far as it will go. Line up the groove on the spindle with the hole that the thumb screw goes into. Tighten the thumb screw.

4.4 Attach the power cord to the appropriate power source, turn on the viscometer power switch which is on the back of viscometer. The viscometer displays “8888” 、serial number and production date. After finishing display, the unit is on the inactive state, display apparatus display “----”.

4.5 Pour the sample into the container. Fill to 10mm of the container lip.

4.6 Place the sample container directly on the can adapter mounted on the viscometer base. Select the desired display (KU or gm) using the Display unit Selector switch. Move the viscometer lifting handle down to the lowest position. This will automatically immerse the spindle into the fluid. If the correct amount of fluid has been put into the container, the surface of the fluid will be at the immersion mark of the spindle.

4.7 Wait several seconds for the display reading.

4.8 After finishing testing, move the operating handle to the top (upper most) position, limit device is on the top position so as to keep handle up. This stops the spindle from rotating.

4.9 Intelligent display stabilizing program is put in the viscometer to make display reading to stabilize. If

measuring different units, repeat above steps from 6-8.

5.0 Cautions:

5.1 There are fine measuring parts in the box, when carrying the viscometer, it should be handled gently.

5.2 Disassemble a viscometer's cabinet with a professional so as to avoid influencing accuracy of gauging.

5.3 Be sure the handle in the up position not in down position when not using, otherwise causing not mobility in up-and-down movement.

5.4 It is recommend strongly that you should return your viscometer to our company or metering & monitor department concerned on an annual basis for detection service.

6.0 Optional Accessories

BGD 1610----Standard Oil for Krebs Viscometer

7.0 Packing List

① Main instrument 1 pc
② Stainless steel cup 1 pc
③ Instruction Manual 1 pc
④ Verification Certificate 1 pc
⑤ Electrical source Line 1 pc

8.0 Others

For more information regarding this product, spares, accessories etc. or if you would like a catalogue listing our full range of products, please contact your local agent or Biuged Instruments at the address on the following page.