

BGD 675

Digital Emulsification Tester

INSTRUCTION MANUAL



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BGD 675 Emulsification Tester is used to test fleetly the water demand of hectograph ink and its binder in laboratory. And it complies with ASTM D 4942. This instrument use double-frame stirrer rake through planetary stirring, with shearing, dispersion action, the non-dissolve liquid are dispersed and minimized. These liquid flow in the container circularly and achieve uniform emulsification situation. It is controlled by programmable controller and can show the working situation and parameters. This Instrument has such advantages as newest design, steady working, accurate measurement, high reliability and easy operation.

1. 0 Main Technical Parameters

- Power Supply: AC220V 50HZ
- Stirring Rotating Speed: 90/100/150 r. p. m
- Container Size (Inner Diameter ×Height) : 100×100mm
- Stirrer rake Size (w ×h) : 56×100mm
- Overall Size: 330×150×460mm
- Weight: 20kg

2.0 Manual Operations:

- A. Switch on the power and u will hear the buzzer, which means that the machine will be working properly
- B. The LCD will display initial information
- C. The LCD will display the following:
 - “ working speed: 90r/m”**
 - “The loops set: “**
 - “Working loops: 0000”**
 - “Total times: 00”**
- D. The speed the machine works acquiescingly is 90r/m. If u want to adjust the working speed, please press "choose speed" button and the speed will be transferred among 100r/m, 150r/m and 90r/m.
- E. To make the machine start working, first of all, u should set the working loops that the machine will work, by means of pressing the digital buttons in the control panel. You have to input four numbers in this way: For example, "0000" is invalid, if you want 10 loops, "0010" is the right input. If you find mistakes in inputting numbs, please press the "re-set" key.
- F: As long as u input the set loops or times, u can press "Start" to make the machine work. Every time the stirrer rake works one loop, working loops will add one Loop. When the working loops equal the set loops, the engine stops working. At this time, the buzzer will be ticking, "Total times" will be plus One automatically and "Working loops" will be cleared zero for next time.
- G. When the machine is working, if u press "Stop", the machine will stop working, but it will keep the set

loops, working loops and total times. If u want it to continue to work, please press “Start” and the machine will resume working.

Press “Zeroing” and “ Total Zeroing” can zero the working loops and total times.

3.0 Cautions:

A. Fix the machine before use, turn on the power, and switch on the machine;

B The part of stirrer installation can be up, convenient to load and unload the stirrer and container. If u hold up the part out of carelessness when the stirrer is rotating, the machine will automatically stop working. Please put it to where it is and press ”start” again.

C If upload the stirrer, please first move down the rotating sleeve, and then move down the stirrer rake. In installation of the stirrer rake, pay attention to the mouths of stirrer axis and stirrer handle: first move down gently the rotating sleeve, and insert the handle into the stirrer axis, to fit both mouths.

D. Before the machine works, please make sure the stirrer rake is installed properly, and stirrer doesn't touch the container. When the machine is working, stirrer and container will be rotating simultaneously. Until the loops are set, the machine will stop working

E. After use , please turn off the power and clean the machine

4.0 Others

For further information contact Biuged, your local supplier, or visit our website at www.biuged.com