



Model: AIC-1401

Water Separability Tester

This instrument is suitable to measure the water separability of Petroleum Oils and Synthetic Fluids. Fill certain amount of sample and distilled water, stir 5 minutes under certain temperature, record needed time for separation of emulsified liquid. After half hour or one hour, if the emulsified liquid doesn't separate completely, or the emulsified layers doesn't reduce 3mL or more, please record the volume of oil layer, water layer and emulsified layer at this moment.

I. Main features

- ◆ Determination of water separation characteristics of petroleum (synthetic fluid, Herschel emulsifier);
- ◆ 9 unit test structure, rotary agitator;
- ◆ Sliding type automatic positioning device, no need to adjust the stirring blades; Sample column can be placed;
- ◆ Imported Omron PID temperature controller, digital display temperature, accuracy of 0.1 °C
- ◆ Digital display stirrer speed, adjustable;
- ◆ Automatic control of stirring time, automatic recording of separation time after stirring;
- ◆ Separation time can select seconds, minutes, or hours according to requirements;
- ◆ Safety protection device can prevent the low liquid level.
- ◆ Sputtering turbine-type liquid circulator, can ensure the temperature uniformity at each point;

II. Technical specifications

1. Applicable standards: GB/T7305, ASTM D1401, ISO6614
2. Temperature controlling method: imported PID digital display temperature controller
3. Temperature controlling accuracy: ambient ~100°C ±0.1°C
4. Heating method: water bath
5. Total power: 1.5KW
6. Working units: 9 positions
7. Timing method: digital timer
8. Power supply: AC220V/50Hz
9. Dimension: 36*36*75CM³
10. Weight: 25KG

III. Accessories List

No	Name	Quantity
1	Main Unit	1 Set

2	Test tubes 100ml	9 PCS
3	Stirring blade	1 PC
4	Stirring device	1 Set
5	Fuse 20A	4 PCS
6	Drill clamp	1 PC
7	Wrench for drill	1 PC
8	Manual book	1 Copy