

Oil Surface Tensiometer Oil Interfacial Tension Tester

Insulating Oil Interfacial Tension Measurement/Surface Tension Test Equipment



It used electromagnetic force -balance-type transducer, improving the accuracy of the measurement. The intermolecular force forms the interfacial tension or surface tension of the liquid. The tension value can reflect the physical and chemical properties of the liquid and its material composition. It is one of the important indicators for related industries to inspect the product quality. The full-automatic tension tester produced by our company is applicable to GB/T 6541. Based on the ring method (platinum ring method), it measures the surface tension (liquid-gas interface) and liquid interface tension (liquid-

liquid interface) of various liquids. This method is widely used because of its simple operation and high accuracy. Widely used in power, petroleum, chemical, pharmaceutical, food, teaching and other industries.



Specification of this Oil Interfacial Tension Analyzer

Measuring range	0-200mN/m
Resolution	0.1mN/m
Sensitivity	0.1mN/m
Accuracy	0.1%(test result) \pm 0.1 mN/m
suit ambient temperature	10~30°C
suit ambient humidity	\leq 85% RH
mains voltage	AC220V \pm 22V
Power frequency	50Hz \pm 2.5Hz
maximum power dissipation	20W
Overall dimension	200 \times 300 \times 330(mm)
Weight	6kg



Features about the Automatic Interfacial Tension Tester

- a) The original fast response electromagnetic force balance sensor is used to improve the measurement accuracy and linearity;
- b) The instrument calibration only needs to calibrate one point, which solves the problem of multi-point calibration before, and eliminates the zero potentiometer and full range potentiometer;
- c) Real time display of equivalent tension value and current weight (it can be used as an electronic balance for weighing);
- d) Integrated temperature detection circuit, automatic temperature compensation for test results;
- e) 640 × 480 pixel color touch screen display with screen protection function;
- f) The instrument can store up to 999 historical records with time marks;
- g) Built in high-speed thermal micro printer, beautiful and fast printing, with offline printing function;