



Fully Automatic Transformer Oil Acidity Test Kit, Model: TOAT-01

Quality | Accuracy | Reliability



For power system, industrial and mining enterprises, there have a lot of oil filled electrical equipment, so the acid value of the transformer oil and turbine oil is regular inspection item which need to be measured.

The insulation oleic acid value automatic tester is used for determination of acid value in transformer oil and turbine oil, which adopt computer control, automatic electrical, optical, mechanical and chemical integration design, completely replace manual operation, raise the working efficiency, reduce the labor intensity of workers, minimize the organic solvents and chemicals to the harm of human body. The operation is simple, easy to use, strong anti-interference ability, stable and reliable.

Features:

- 320 x240 graphic dot matrix liquid crystal display screen, full screen, touch keys, friendly man-machine interface.

- Neutralization titration principle applied, microcomputer control for automatically adding liquid, titration, stirring, and judge titration end point. LCD screen display and test results printed.

- Color sensor with detection of titration end point, the end condition judgment is reliable.

- No need to waste liquor cup.

- Extract and neutralization liquid controlled by a peristaltic pump, high measuring accuracy.

- History query and automatic memory function, time automatic storage of historical records, and the data after power off is not lost; Data can be saved more than 10 years.

- Calendar clock with temperature compensation, record the date and time, determination in power to run more than 10 years.

- With special reagent bottle holding liquid extract and neutralization, reagent in use process not exposed to air, to avoid the solvent evaporation and the effect of CO₂ in the air; Users need not hand contact with solvents, reducing the organic solvents and chemicals to the harm of human body.

- Simple operation, large LCD screen display. Only need to choose menu function, according to the relevant data of the screen prompts, the instrument can automatically complete the determination of acid value.

- Can choose only determine one specimen or continuous measurement of 2-6 sample according to need.

- Convenient communication with the computer with RS232 interface.

- Thermal micro printer, more beautiful and more quickly, with functions of offline print.



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Panel and Sturcture:

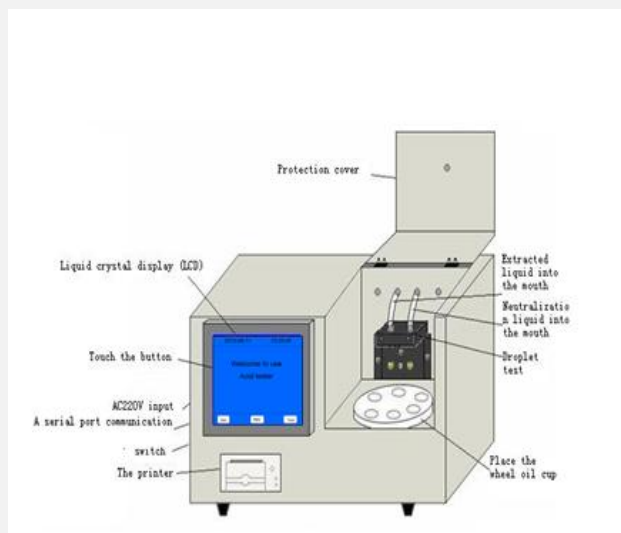
Note: 6 oil cup can be placed in rotary table, an experiment can do 6 samples at most.

The instrument is divided into three parts, control box, mechanical transmission parts and test area.

Test area is used to place the oil cup wheel, drip several detection device, automatic determination of acid value.

Control box is to process all kinds of information collection, and run commands to actuators. It contains the LCD and touch screen, which form a good man-machine communication interface.

Mechanical transmission mechanism is inside the chassis, to control the liquid and cup dish rotation through the peristaltic pump and mechanical drive mechanism.



Technical Parameters:

Power Supply	AC220V \pm 20% ; 50HZ \pm 10%
Acid Value Range	0.0001 ~ 2.0000 mgKOH/g
Resolution	0.0001 mgKOH/g
Accuracy	when acid value between 0.001~ 0.1000 mgKOH/g, allowed error range: \pm 2%
	when acid value between 0.1000~ 0.5000 mgKOH/g, allowed error range: \pm 5%
	when acid value between 0.5000~ 2.0000 mgKOH/g, allowed error range: \pm 5%
Ambient Temperature	5 ~ 40°C
Relative Humidity	< 85% RH
Dimensions	420mm *270mm *260mm
Weight	about 9 kgs

Product Specifications are subject to change without notice

Manufactured By:

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