

FT-703(3 CUPS)

TRANSFORMER OIL ACIDITY TESTER

INTELLIGENT ☒ AUTOMATIC ☒ PORTABLE ☒ HIGH ACCURACY ☒

■ Introduction & Application



Series FT-703 Automatic Oil Acidity Test Kit is designed according to ASTM D974, GB/T264, GB7599-87, GB/T7304-2000 and other standards, for accurately testing the acid value of transformer oil, steam-turbine oil, fire-resistant oil, diesel oil, gasoline oil and other petroleum products. It is widely used in fields of chemical industry, power, petroleum, etc. and thus it is an ideal successor to current petroleum products acid value tester.

Auto transformer oil acidity testing kit can accurately detect transformer oleic acid values. The instrument is improving the efficiency and precision while reducing operator contact with the sample and reagents, to maximize the protection of their personal safety.

■ Why Test Acidity of Transformer Oil

Acidity of transformer oil, is harmful property. If oil becomes acidic, water content in the oil becomes more soluble to the oil. Acidity of oil deteriorates the insulation property of paper insulation of winding. Acidity of oil is express in mg of KOH required to neutralize the acid present in a gram of oil. This is also known as neutralization number.

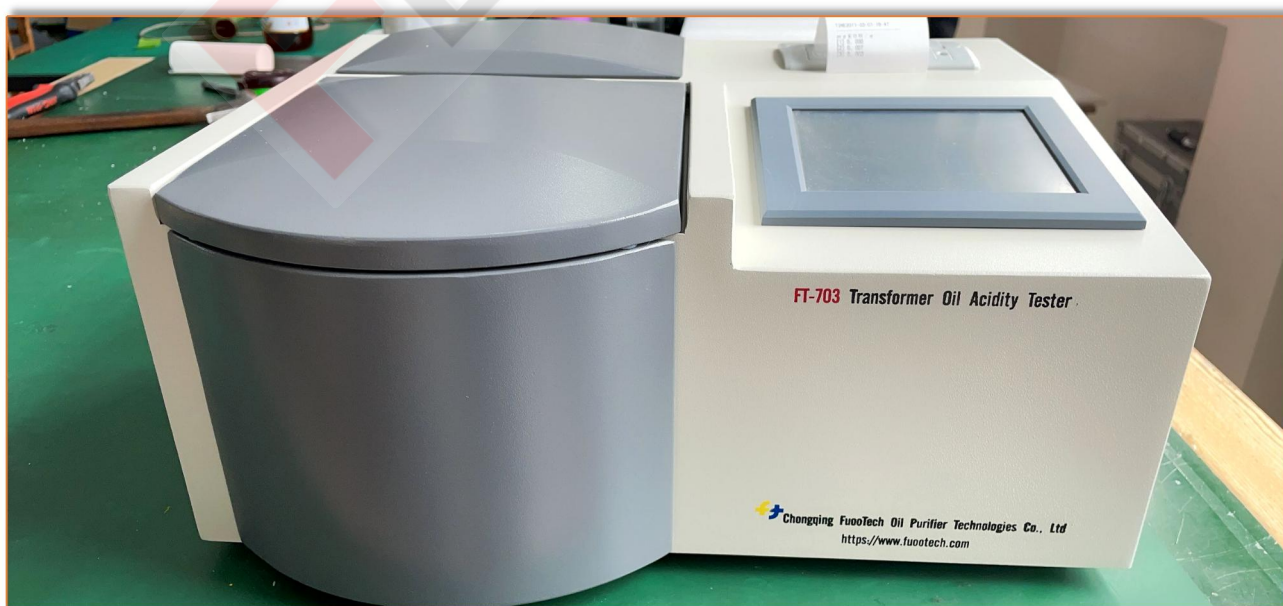
The detection of oleic acid value of transformer and steam turbine is a routine inspection item of power system and oil-filled electrical equipment of industrial and mining enterprises. With a single chip microcomputer as the core, the instrument integrates multi-disciplinary technologies such as optical, mechanical, electrical and chemical. Basically completely replaced the manual operation, which not only improves the work efficiency, but also reduces the labor intensity of operators, and minimizes the harm of organic solvents and other chemicals to the human body.

■ Main Features

- Adopts principle of acid-base titration Neutralization method and controlled by micro-computer, with

color LCD display and English interface.

- Fully Automatic liquid adding, titration, stirring, judging end point of titration, storage, printing results, etc.
- Extract liquid and Neutralization solution are filled and packed with special Reagent bottles, which are also not touched with air while in use, avoiding the affects from reagents' volatility and carbon dioxide in the air, and keeping the operator safe.
- 1 to 3 cups are available to set and test as per request.
- Clean pipes automatically, avoiding pipes blocking as well as eliminating bubbles, so as to extend pipes service lifetime.



■ Technical Parameters

Method of Display	Large Color LCD Display
Testing Range	0.001 ~ 0.900 mgKOH/g
Accuracy	(1) 0.001 ~ 0.100 mgKOH/g: ± 0.003 mgKOH/g (2) 0.100 ~ 0.900 mgKOH/g: 2 ~ 5% of readings
Mini. Resolution Ratio	0.001mgKOH/g
Repeatability	0.004mgKOH/g
Method of Printing	High speed Thermal Printing
Environmental Temperature	5 ~ 60°C
Environmental Humidity	$\leq 85\%$ RH
Power Supply	220V $\pm 10\%$, 50/ 60 HZ
Dimension	440×300×220mm
Weight	9 KGS



■ In Stocks

PRODUCTS IN STOCK



■ Other Testers You Might Be Interested In

Part I: Oil Testers

- Transformer Oil BDV Tester
- Transformer Oil Trace Moisture Content Tester
- Transformer Oil Acidity Tester
- Transformer Oil Interfacial Tension Tester
- Transformer Oil Flash Point Tester (Open/Closed Cup)
- Transformer Oil Tan Delta Tester
- Transformer Oil DGA (Dissolved Gas Analyzer) Tester
- Transformer Oil Kinematic Viscosity Tester
- Transformer Oil Density Meter
- Transformer Oil Particle Counter
- Sf6 Gas purity and Decomposition Tester
- Portable Dew Point Meter

Part II: Transformer & HV Testers

- Transformer Load and No Load Loss Tester
- TTR Transformer Turns Ratio Tester (Portable/Handheld Type)
- Transformer DC Resistance Tester 1 ~ 100A
- Transformer Tan Delta and Capacitance Tester 0 ~ 12kV
- CT PT Analyzer
- SFRA Transformer Sweep Frequency Response Analyzer
- VLF Hipot Test Set 30 ~ 120kV
- Insulation Resistance Tester 0.25 ~ 30kV
- AC Hipot Tester
- DC Hipot Tester
- Circuit Breaker Contact Resistance Tester
- Grounding Earth Resistance Tester

■ You Might Also Be Interested In

- ✧ **ZYD-T Series Double-stage Vacuum Transformer Oil Filtration Machine**



Project cases



FUOOTECH High Vacuum Transformer Oil Filtration, Dehydration and Degassing Plant

✧ DAG Series Dry Air Generator for Transformer Maintenance

