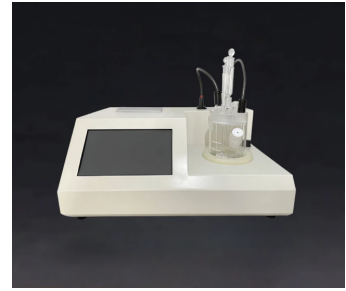


HF-TC-630

Transformer Oil Moisture Analyzer



Transformer Oil Moisture Analyzer adopts advanced coulometric Karl Fischer titration principle to accurately measure trace moisture content inside transformer insulating oil. Featuring fast testing speed, high stability and compact structure, it is widely used in power substations for insulation condition assessment and daily transformer maintenance to avoid insulation degradation caused by excessive water.

Key features

- Adopts a 32-bit embedded microprocessor as main controller, built-in miniature embedded operating system.
- Automatic detection within 0-400mA, featuring high precision, rapid measurement and stable performance.
- Main board assembled with high-quality SMD components: high integration, easy operation and long service life.
- Preloaded with 4 calculation formulas; test results can be automatically converted between different units.
- Large colorful touch screen & full digital keypad for streamlined operation and convenient data calculation.

Technical specifications

Parameter	Value
Electrolysis Current Control	Automatic adjustment range 0 ~ 400mA
Measuring Range	1ug ~ 200mg
Sensitivity	0.1ug H ₂ O
Accuracy	±3ug for 10ug ~ 1000ug samples; ≤0.3% for samples above 1mg
Power Supply	220V±10%, 50Hz
Power Consumption	<40W
Operating Ambient Temperature	5 ~ 40°C
Operating Ambient Humidity	≤85%RH
Overall Dimensions	380×310×180 mm
Net Weight	Approx. 6kg

Standard scope of supply

No.	Item	Qty	Notes
1	Main Unit of Transformer Oil Moisture Analyzer	1 Set	Host machine with touch screen
2	Karl Fischer Electrode Assembly	1 Set	Measuring & electrolysis electrodes
3	Reagent Reaction Cell	1 Pc	Titration vessel
4	Standard Calibration Water Sample	2 Bottle	For accuracy verification
5	Micro Syringe	2 Pcs	For liquid injection
6	Power Cord	1 Pc	220V power connecting line
7	USB Data Cable	1 Pc	Data transmission
8	Thermal Printer Paper Roll	2 Roll	Printing consumables
9	Operation Manual (Chinese & English)	1 Book	Detailed operation & parameter guide
10	Factory Calibration Certificate	1 Copy	Official calibration report
11	Spare Sealing Rings & Consumable Parts	1 Pack	O-rings, seals for daily replacement
12	Hard Carrying Protective Case	1 Pc	Shockproof portable packaging

Compliance and documents

Applicable standards	[TO BE CONFIRMED] standard applied to this model
Calibration certificate	[TO BE CONFIRMED]
Optional accessories	[TO BE CONFIRMED]

Warranty and support

12-month warranty on every exported instrument. English operation manual and remote video guidance at commissioning. T/T, L/C at sight and deposit terms for bulk orders; sea, air or rail shipping.