

HF-TC-652

Karl Fischer Titrator



Karl Fischer Titrator applies coulometric method to test trace moisture in transformer insulating oil with high precision. Featuring touchscreen operation and automatic report printing, it is widely adopted by power plants and substations to monitor oil insulation status reliably.

Key features

- Adopts a 32-bit embedded microprocessor as the main control core, equipped with a miniature embedded operating system.
- Constant voltage measurement design delivers high precision, fast testing speed, stable and reliable measuring results.
- Equipped with a color touch screen and full digital keypad for simplified operation and rapid data calculation.
- Preloaded with 4 calculation formulas to satisfy diverse testing requirements of customers.
- Built-in mini thermal printer records data with timestamps for convenient historical record retrieval.

Technical specifications

Parameter	Value
Electrolysis Current Control	Automatic control ranging from 0 ~ 400 mA
Measuring Range	3 ug ~ 100 mg
Resolution	0.1 ug
Accuracy	±3 ug for samples between 10 ug ~ 1000 ug; No more than ±0.3% for values above 1000 ug
Power Supply Voltage	220 V (±10%)
Power Frequency	50 Hz (±5%)
Power Consumption	Less than 40 W
Operating Ambient Temperature	5 ~ 40 °C
Operating Ambient Humidity	≤ 85% RH
Overall Dimensions	320 × 235 × 150 mm
Net Weight	4.5 kg

Standard scope of supply

No.	Item	Qty	Notes
1	Karl Fischer Trace Moisture Tester Host (CSY-K1 Main Unit)	1 Set	Main testing machine
2	Electrolytic Cell Assembly (Electrode, Reaction Cup)	1 Set	Original matching accessories
3	Sampling Syringes & Needles	1 Set	For liquid sample injection
4	Connecting Cables & Power Cord	1 Pc	AC220V power cable
5	Thermal Printer Paper Rolls	2 Rolls	Spare printing paper
6	Detailed English Operation Manual	1 Copy	Full English version
7	Calibration Certificate	1 Copy	Factory calibration report
8	Hard Portable Aluminum Alloy Carrying Case	1 Pc	Shockproof transport box
9	Spare Consumables (Molecular Sieve, Seal Rings)	1 Set	Replacement spare parts

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.