

Automatic Karl Fischer titrator



Product introduction:

YK-K1800 automatic Karl Fischer moisture meter for different solvents and samples, without changing the sensitivity of the detector electrode and endpoint detection, with a 7-inch color LCD touch screen; It also has the function of real-time detection of electrode open circuit and short circuit.

Product application object:

Drugs: antibiotics, chemical synthetic drugs and intermediates
Organic chemical industry: hydrocarbons, alcohols, lipids, aldehydes
Organic acid Inorganic chemical: salt, acid, alkali
Petrochemical: crude oil, gasoline, oil, lubricating oil
Fertilizer: Urea
Pesticides: pesticides, pesticide emulsifiers
Dyes: brighteners, dyes, dye intermediates
Food and beverage: rice, flour, milk powder, beer.
Surfactants: washing powders, detergents, fabric softeners
Cosmetics: facial cleanser, skin cream, hair lotion, hand oil, toothpaste

Types of substances that can be detected include:

* Gasoline, water pressure oil, insulation oil, transformer oil, turbine oil, anti-fuel oil.



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

* Ethane, dimethylbutane, octane, dodecane, eicosane, cyclododecane, accelerated butadiene, benzene, toluene, xylene, ethyltoluene, dimethylpolystyrene, tetradecene, petroleum ether, cyclohexamine, methylcyclohexamine, cycloheptane, ethylene cyclohexamine, * phenyl, benzene, methylene phenanthrene, isomethylisopropyl benzene, etc.

* Phenolic b phenol, cresol, fluoroB phenol, chlorophenol, dichlorophenol, nitrophenol, etc.

* Diethylene glycol monomethyl ether, polyethyl diether, anisole, iodine anisole, diheptyl ether;

* All alcohols, all halogenated hydrocarbons, all lipids, etc.

Applicable standards:

*GB3727 "Determination of trace moisture in ethylene and propylene for Industrial Use"

*GB6023 "Determination of trace water in butadiene for industrial use - Karl Fischer Method"

*GB6283 "Determination of moisture content of Chemical products Karl Fischer Method (General method)"

*GB18619 "Determination of moisture content in Natural gas Karl Fischer Method", etc.

Specification data :

1. Content determination range: 0.003-100%

2. Measurement resolution: 1 μ g(titration accuracy 0.001ml, 1mg/ml Karl Fischer reagent)

3. Measurement repeatability: \geq 99.7% (condition: 10mg water measurement)

4. The maximum possible error: \pm 0.3%;

*5. Delay setting: can customize delay titration, can customize delay judgment;

*6. End delay: can customize the delay setting;

7. Measuring time: average 2-3 minutes;

*8. Display: 7-inch color LCD touch screen;

9. Data storage capacity: 2000 pieces; Equipped with an external needle printer.

10. Burette: 20ml high-precision metering tube assembly, anti-UV shield;

11. Titration mode: positive titration

*12. Titration method: 5 kinds of detection methods can be customized

*13. Titration speed: the system can be manually set and automatically adjusted according to the actual situation.

14. Liquid resistance compensation function: for different solvents and samples, there is no need to change the sensitivity of the detection electrode and the detection potential of the end point, can get more accurate detection results.

15. With electrode open circuit, short circuit real-time detection function;

16. Valve and pipeline material: three-way double-pass electromagnetic drive control valve.

17. External electrode: double platinum needle electrode

*18. Data interface: wifi transmission

*19. Permissions function: three password permissions

20. Calculation function: moisture content, statistical calculation, blank value and calibration value automatic average function.



0086 16601757347
inquiry@yukelab.com
www.yukelab.com
0086 021 59570209

- 21. Record analysis: the instrument itself can store at least 2000 groups of analysis results.
- *22. Data can be transmitted through WIFI system (data traceability)
- *23. With heating system: built-in voltage 12V, temperature control range (40-45 degrees), to solve the problem that some samples are not easy to dissolve
- 24. The system has the reaction cup heating function
- 25. The use of ambient temperature: +5-40°C
- 26. The use of ambient humidity: ≤80%
- 27. Power supply: 220V/50HZ