

Volumetric Karl Fischer Moisture Analyzer

This Karl Fischer titrator accurately analyzes crystal water, adsorbed water, and free water in samples. The volumetric type is designed for precise measurement of water content using Karl Fischer reagent.



Overview

Precision Moisture Analysis

The Volumetric Karl Fischer Moisture Analyzer is a high-precision analytical instrument designed for the accurate determination of water content in solid, liquid, and gas samples. Featuring advanced closed titration technology, it minimizes reagent exposure while ensuring high-precision control with a 20ml burette. This system is ideal for industries such as petroleum, pharmaceuticals, food, and chemicals, offering rapid testing times and intelligent endpoint algorithms for reliable results.

Technical Specifications

Moisture Content Range	0.001% - 100.000%
Titration Control Accuracy	0.001 ml
Measurement Resolution	1 ppm
Measurement Repeatability	99.7% (10mg H ₂ O)
Average Detection Time	< 3 minutes

Performance & Features

Key Features

- Closed titration cell for low drift
- Automatic solvent replacement and waste discharge
- Intelligent endpoint algorithm
- Automatic titration speed adjustment
- Suspended transmission assembly for low noise
- Intelligent fault identification and auto-stop

Certifications	CE, ISO
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System & Operation

Interface	LCD Display (English)
Data Storage	100 groups
Power Supply	110-220V / 50Hz
Gross Weight	5.5 kg

Components

Included Components

Item	Quantity
Karl Fischer water content tester	1 pc
Closed titration cell	1 set
Double platinum electrode	1 pc
Titration connecting pipe/fittings	1 set
Dedicated reagent bottle caps	1 set
Drying tube and components	1 set