



LAB-GRADE ENGINEERING. OEM SCALE RELIABILITY.
RESEARCH INSTRUMENTS • OEM MANUFACTURING • LAB SOLUTIONS

PRODUCT BROCHURE

ANALYTICAL INSTRUMENTATION

KARL FISCHER MOISTURE TITRATOR

**Accurate moisture determination
for quality control.**

The ALC-Scientific Karl Fischer Titrator provides precise and reliable water-content analysis for pharmaceutical, chemical and industrial applications.



MEASUREMENT RANGE

1 µg – 100 mg H₂O

METHOD

Volumetric / Coulometric

APPLICATION

QC / R&D

MODEL

ALC-KFT Series

CATALOGUE NUMBER

To be confirmed



ANALYTICAL INSTRUMENTATION

Precise moisture analysis for pharmaceutical, chemical and industrial workflows.

ALC-KFT Series

The ALC-Scientific Karl Fischer Moisture Titrator provides accurate water-content analysis using volumetric or coulometric methods for quality control, research, and industrial applications. Engineered for reliability and ease of use, the ALC-KFT Series delivers precise, reproducible results to support critical moisture analysis across pharmaceutical, chemical and industrial workflows.



MEASUREMENT RANGE

1 μ g – 100 mg H₂O

METHOD

Volumetric / Coulometric

APPLICATION

QC / R&D

Key Features

- Dual-mode titration support (volumetric and coulometric)
- Intuitive touchscreen control with user-friendly interface
- Precise and reliable endpoint detection
- Compact benchtop design for routine laboratory use
- Data storage and method management for traceability
- Suitable for pharmaceutical, chemical and research laboratories

Working Principle

Karl Fischer titration is a specific and reliable method for determining water content based on the reaction between water and Karl Fischer reagent. The ALC-KFT Series supports both volumetric and coulometric titration, enabling accurate and sensitive moisture analysis for a wide range of samples in quality control, research and industrial applications.

TYPICAL APPLICATIONS

- Raw material testing
- Solvents and organic liquids
- Active pharmaceutical ingredients (APIs)
- Oils and petrochemicals
- Industrial chemicals
- R&D laboratories



REFERENCE TECHNICAL DATA

Model-specific values require approved OEM confirmation.

PARAMETER	REFERENCE SPECIFICATION
Product type	Karl Fischer Moisture Titrator
Method	Volumetric / Coulometric, model dependent
Measurement range	1 µg to 100 mg H ₂ O
End-point detection	Polarization / electrochemical detection
Display	Integrated touchscreen display
Data handling	Method storage and result logging
Titration cell	Standard reaction cell with electrodes
Reagent system	Karl Fischer reagent, model dependent
Power supply	220-240 V AC, 50 Hz
Applications	QC / R&D / analytical labs

STANDARD SUPPLY

- Main unit
- Titration cell assembly
- Basic electrodes
- Power cord
- User manual

OPTIONAL / MODEL-DEPENDENT

- Printer
- Autosampler compatibility
- Additional burette / cell options
- Software / data export
- Specialized accessories

TO BE CONFIRMED

- Final model configuration
- Reagent package
- Qualification documentation
- Installation requirement
- Delivery timeline / commercial terms



ALC-Scientific

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APPLICATIONS & ENQUIRY

LABORATORY APPLICATIONS

Accurate moisture determination for quality assurance and laboratory workflows.

Applications

- Pharmaceutical testing
- Chemical analysis
- Solvents
- Petrochemicals
- Raw-material QC
- Research laboratories

Product Advantages

- Precise moisture determination
- Volumetric and coulometric support
- Touchscreen operation
- Compact bench design
- Data handling convenience
- OEM / private-label suitability

INDUSTRIES SERVED

Pharmaceutical / Chemical / Academic / Industrial / Analytical laboratories



SCAN PRODUCT PAGE

alcscientific.com/brochure/karl-fischer-moisture-titrator

Request a model-specific quotation.

Share your sample type, required method, throughput, installation city and documentation needs. Our team will provide the right configuration, performance details and a commercial quotation.

ALC-SCIENTIFIC LABORATORY SYSTEMS

OEM / PRIVATE LABEL AVAILABLE

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Specifications are subject to change without prior notice.