

**Product Name :**  
Auto Karl Fischer Titrimeter

**Product Code :**  
ELABANALYTICAL0029



## Description :

Auto Karl Fischer Titrimeter

## Technical Specification :

Auto Titration Control  
Separate Control & Titration Units  
Auto Zero Burette  
Adjustable Timer  
Visual & Audible Alarm

Auto Karl Fischer Titrimeter – automatic apparatus designed to carry out Karl Fischer Titrations for accurate determination of moisture content in various samples.

The instrument comprises of two units i.e CONTROL UNIT & TITRATION UNIT.

The CONTROL UNIT controls the complete automatic titration.

On pressing the START button, the titration starts and the KF reagent is added automatically from the burette, through a solenoid valve into the titration vessel.

As soon as the end point is reached, the titration is stopped automatically by the Control Unit.

It has fully solid state circuitry incorporating advanced IC technology.

Titration unit contains the magnetic stirring mechanism and the solenoid valve assembly.

The cabinet is designed to serve as a titration stand.

Karl Fischer method for determination of moisture content is used in pharmaceutical and drug manufacturing industries, food stuff, sugar, wood, paper and textile industries, petroleum refineries, chemical and fertilizer units

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etc.

#### CONTROL UNIT

Display: Array of 10 LEDs

Timer: Adjustable Timer

Buzzer: Yes

Sample Size: 1-50 mg of Water

K.F.Dispensing Resolution: 0.05 ml.

Measuring Electrode: Dual Platinum

Indications: RUN} ADD } Display in Auto Mode END}

Detection: Current sensing by electronic control

#### TITRATION UNIT

Titration Cell: Air Tight 200ml.

Stirrer: Variable speed magnetic stirrer with On/Off control

K.F.Flow: Automatic Sensitive Control Valve for KF Reagent

Burette: Pressure filling auto zero burette with 0.05 ml resolution

Power: 230V 10% 50Hz, AC

Accessories: Burette (Clear Glass) 10 ml

Reservoir Bottle 500 ml.

Moisture trap with rubber bellow for air pumping.

Titration Cell.

Dual Platinum Electrode.

Solenoid Valve Assembly.

Magnetic Capsule. Set of 2 Clamps.

Rubber Tubing.

Nozzle.

Instruction Manual

 **LAB ENGINEERING**

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