



Auto Karl Fischer Titrimeter (Microprocessor Based)



It uses the latest microcontroller technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility. This titrator eliminates the use of conventional delicate and fragile glass burettes and plunger systems. This titrator analysis the moisture concentration of liquid samples, powder, fine particles and fibre samples that are soluble in alcohol or solvents. The moisture content is displayed in ppm, %age and mg H₂O. The system has 20 soft touch membrane type keys for ease of operation. Complete numeric keypad is provided so as to feed the values of sample, density, titer factor, date, time etc. comfortable. The end point indication is given by both visual and audible alarm. The titrator has the facility for automatically calculating the titer factor of the Karl Fischer reagent. It has the storage facility of date, time, batch no. and final results of 20 titrations using the FIFO method. Provision for external printer attachment is available so that any of the stored results can be printed even at a later stage.

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Features:-

- Auto Computation of Moisture in ppm, % & mg H₂O.
- Storage of Date, Time, Batch No. and Final Results
- Graphical 128x64 LCD Display
- Motorized Dispensing
- External PC Interface Facility

Technical Specifications:-

- **Measuring Range**-50 ppm to 100% of Moisture
- **Measuring Method**-Karl Fischer Volumetric Titration Method
- **K.F. Dispensing**-Highly Sensitive Motorized Dispensing System.
- **Resolution of Titrant Volume**-0.01 ml
- **Indication of Titrant Volume**-0.00 to 99.99 ml On Display
- **Moisture Content Calculation (Automatic)**-%age: (0.00 to 100%), ppm: (10 to 9999999), mg H₂O: (0.00 to 999.99)
- **KF Titer Factor**-In-Built Automatic KF Titer Factor Calculation Facility
- **End Point Alarm**- Audible Alarm
- **Dispensing Pump Calibration**-Available Through Key Board
- **Wait Time For End Point**-Adjustable (1 to 59 Seconds)
- **Key Board**-20 Keys Soft Touch Membrane type
- **Sample Storage**-Up To 20 Latest Samples Using FIFO Memory
- **Display**-Graphical LCD With Backlit
- **Clock**--In-Built Clock With Date & Time Display
- **Stirrer**-In-Built Magnetic Stirrer With Adjustable Speed
- **Reagent Bottle**-3X250 ml Bottle For KF Reagent, Methanol & Silica Gel
- **PC Interface**-USB Interface Available
- **Power Supply**-230 VAC 10% 50 Hz.
- **Dimensions**-360X295X175 mm
- **Weight**- 15 KG (Approx.)

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Accessories:-

- Dual Platinum Electrode,
- Built-In Magnetic Stirrer,
- 250ml Bottle for Methanol,
- 25 micro litter pipette,
- Adapter for KF Reservoir,
- Set of Dispenser Tubes,
- Bottle Container,
- Dust Cover,
- Titration Vessel with Teflon Cover,
- Teflon Coated Magnetic Stirring Capsule,
- 250 ml Reservoir Bottle for KF Solution,
- 250 ml bottle for Silica Gel
- Adapter for Methanol Reservoir Bottle,
- Set of Connecting Tubes,
- Software CD
- Instruction Manual
- USB Cable
- Adapter

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