



## KARL FISCHER TITRATORS

### VOLUMETRIC KARL FISCHER TITRATORS

Digital Automatic K/F Titration Apparatus Model: Matic- Md.



The model MATIC – MD is Micro-Controller Based Automatic Karl Fischer Titrator designed for accurate estimation of moisture contents in various samples. It is used in QA, QC and R&D labs in Pharmaceutical, Chemical and other industries.

The instrument is having a Magnetic Stirrer and Motorized Dispenser for addition of Karl Fischer Reagent. A backlit Alpha-Numeric LCD Display and Feather Touch Keyboard on front panel make the instrument user friendly and easy to operate.

The volume of the K. F. Reagent added, is displayed on the LCD Display. The end point of the titration is indicated by an audio signal. A built-in CAL program is used to determine the Average Factor of the K. F. Reagent. The instrument calculates the result automatically and displays on LCD display. The instrument is having built-in Validation and Calibration facility for dispensed volume. The instrument is having printer port for printer interface. This model is supplied without printer.

#### Standard Accessories:

- Platinum Electrodes.
- Teflon Clamp with Glass Beaker.
- Micro-liter Syringe.



### **DIGITAL AUTOMATIC K/F TITRATION APPARATUS MODEL: MATIC-MD+P.**

This model is same as MODEL: MATIC-MD supplied with 80 Columns Printer.

### **DIGITAL AUTOMATIC K/F TITRATION APPARATUS MODEL: MATIC-MD (PC)**

This model is same as Model VEEGO/MATIC – MD with additional PC interface facility. The instrument is having RS 232 serial port for PC interface. Software is supplied with the instrument for PC interface. This is useful to store the data on the PC and can be printed as and when required.

### **DIGITAL AUTOMATIC K/F TITRATION APPARATUS, MODEL: VEEGO/MATIC-EX.**

This is an advanced and sophisticated instrument, designed for accurate estimation of moisture in various samples. It is used in QA, QC and R&D labs in Pharmaceutical, Chemical and other industries.

The instrument is having a Magnetic Stirrer and Motorized Dispenser for addition of Karl Fischer Reagent. A backlit Alpha-Numeric LCD Display and Feather Touch Keyboard on front panel make the instrument user friendly and easy to operate.

The volume of the K. F. Reagent added, is displayed on the LCD Display. The end point of the titration is indicated by an audio signal. The instrument supports both DST and Water for factor determination of the K. F. Reagent. The Average Factor of the K. F. Reagent is automatically calculated by the instrument.

The instrument is having facility to store 100 test methods for testing samples. These methods are user programmable and pass word protected. The instrument is having built-in Validation and Calibration facility for dispensed volume. The instrument is having printer port for printer interface. This model is supplied without printer.





## Features:

- Incorporated with maintenance free Metering Pump.
- Valve-less Dispenser eliminates the need of Cumbersome Piston Burette.
- No Refilling is necessary after every titration.
- Results in Percentage, PPM and mg. of H<sub>2</sub>O.
- Automatic Drift Compensation.
- On line messages for user friendly operations.
- On line information of the Titration Status.
- Error Messages to avoid wastage of chemicals.
- Built-in Volume Validation Facility.
- Parallel Port Printer Interface.
- RS 232 port for Balance Interface.
- PS-2 Keyboard (PC 'QWERTY' Keyboard) Interface for easy data entry.
- Printout as per GLP requirements.
- RS 232 Interface for PC to download the data.
- Statistical calculations such as Average, SD, RSD.
- 'SEARCH' and 'REPORT' facilities.

## Technical Specifications:

- Measuring Range: 50 PPM to 100 % with appropriate sample quantity
- Dispensing Resolution: 0.01 ml Display: LCD Bakelite Graphic Display Keyboard: 4 x 4 Feather Touch Key Board.
- Printer Port: 25 Pin D type Parallel Port for Dot Matrix Printer
- PC Interface: 9 Pin D Type Serial RS 232 Port
- Balance Interface: 9 Pin D Type Serial RS 232 Port. Baud Rate Selectable 1200 to 9600.

## Standard Accessories:

Teflon Clamp with Glass Beaker. Dual Platinum Electrodes.

**Registered Office:** Survey No. 81, Plot No. 16-17, Junagadh Road, Near Lion's School, Jetpur - 360370, Gujarat, India.

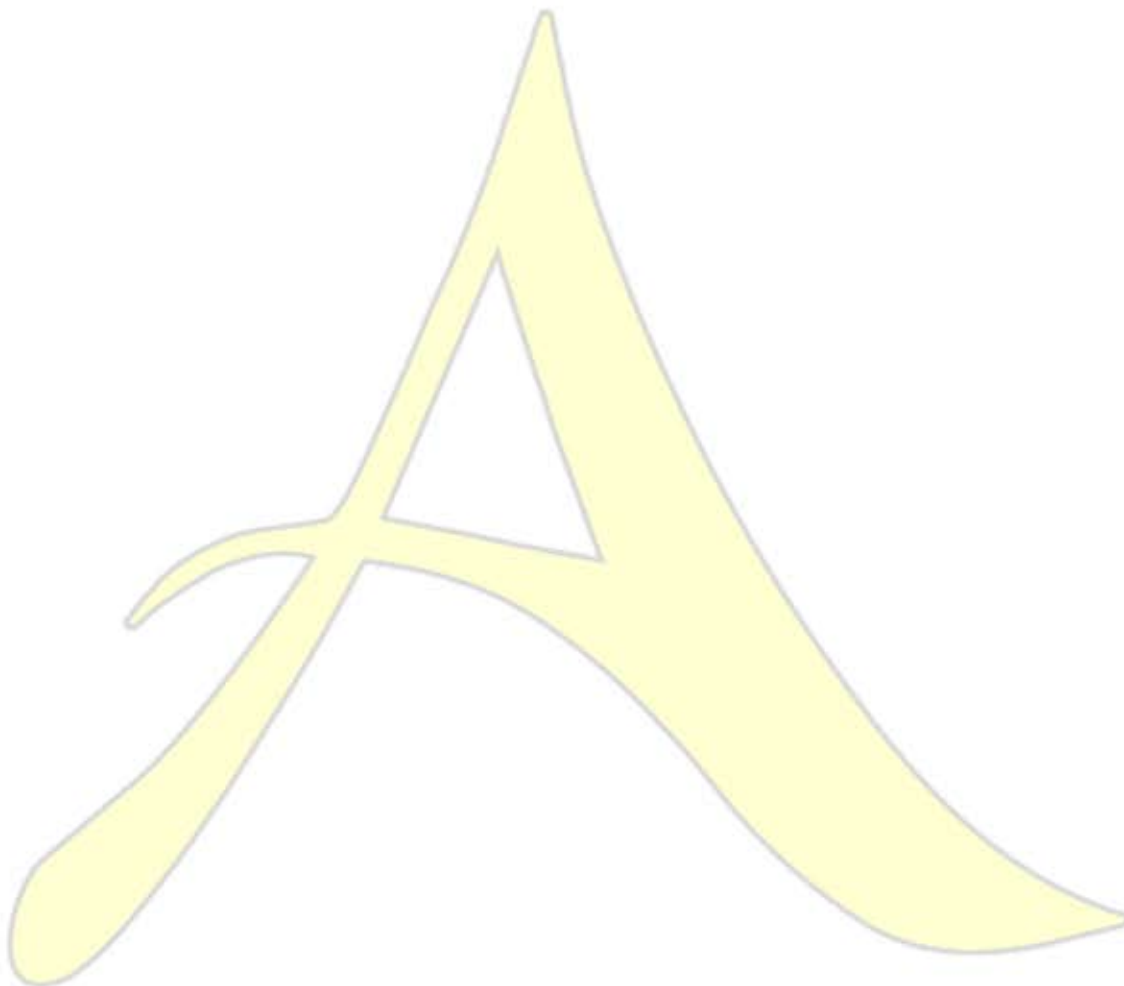
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**ALAK**  
HEALTHCARE

Micro-liter Syringe. Software CD



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