

DIGITAL AUTOMATIC KARL FISCHER MOISTURE ANALYZER VEEGO/MATIC – MD

DESIGNED FOR ACCURATE
ESTIMATION OF MOISTURE



User friendly Volumetric Titrator

Valve-less & glass free Dispenser

Titer Factor Calculation Facility

Results Format: Percentage, PPM and mg. of H₂O

Alpha-Numeric LCD Display

On line information of the Titration Status

Informative error messages displayed

DIGITAL AUTOMATIC KARL FISCHER MOISTURE ANALYZER

VEEGO/MATIC – MD

VEEGO/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 equipped with a built-in 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 easy to operate.

To start with the titration, Methanol is added to the titration cell and is neutralized by Karl Fischer Reagent added automatically. The volume of the K. F. Reagent added is displayed on the LCD Display. End point of the titration is indicated by an audio signal. After Blank titration, the reagent is standardized by adding known quantity of water. A built-in CAL program is used to determine the Average Factor of the K. F. Reagent. After Blank Titration and the Factor determination, several samples can be tested one after the other.

The instrument calculates result automatically and displays on LCD display. The instrument prompts 'Solution Error' message in case faulty solutions are used. It is having built-in Validation and Calibration facility for dispensed volume.

The instrument is incorporated with valve-less dispenser eliminating the need of cumbersome piston burette and non-return valves. It is therefore very easy to clean and maintain the instrument. The reagent is directly taken from the reservoir and dispensed automatically into the titration cell. As no refilling is necessary after every titration, several samples can be tested un-interruptedly.

SPECIFICATIONS:

Method: Volumetric Titrator

Measuring Range: 100 PPM to 100 % with appropriate sample quantity

End Point Confirmation Time: 20 sec. Fixed

Dispensing Resolution: 0.01 ml

Vessel Capacity: 200 ml (Optional 350 ml)

Display: 20 Character x 4 line LCD Backlit Display

Keyboard: 4 x 4 Feather Touch Key Board.

MOC: MS Powder Coated.

SS Cabinet available on request.

Printer Port: 25 Pin D type Parallel Port for Dot Matrix Printer

Dimensions: 40x35x30 cm Weight : 15 kg approx

Power Supply: 230 Volt AC 50 Hz Power 100 W Max.

Ambient Condition: Temperature: 5 to 40 Deg C

Humidity: Less than 85 % RH

ACCESSORIES:

Vessel, Platinum Electrode, Clamp, Rotor, Inlet and Outlet Tubes, Micro-liter Syringe, Instruction Manual.

APPLICATIONS:

Pharmaceutical and Chemical Industry

Petrochemical Industry

Lubricating and Hydraulic Oil Users and Manufacturers

Distilleries and Alcohol Users and Manufacturers

Food and Beverage Industry

Polymer, Paint and Plastic Industry

Textile Auxiliaries and Cosmetic Industry

Fine Chemicals

VEEGO/MATIC – MD PC

This model is same as Model VEEGO/MATIC – MD with additional PC interface facility. This is useful to store the data on the PC and can be printed as and when required.

ADDITIONAL FEATURES:

RS 232 Interface for PC to download the data. 'SEARCH' and 'REPORT' facilities.

Recommended PC Configuration:

Windows 2000, XP or above.

RS232 Serial Com Port (9 pin Male Socket), CD Drive.

VEEGO/MATIC – MD + P

This model is same as Model VEEGO/MATIC – MD, supplied with 80 column dot matrix printer.