

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 backlit graphic display

On line information of the titration status

Fabricated in SS cabinet

DIGITAL AUTOMATIC KARL FISCHER MOISTURE ANALYZER

VEEGO/MATIC – MD

VEEGO/MATIC – MD is Micro-Controller based auto-matic 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 graphic 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 backlit graphic 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 backlit graphic display. 'Solution Error' message displayed in case faulty solution are used. Built-in validation and calibration facility for dispensed volume provided.

FEATURES:

- Memory provision for storage of 24 Product names.
- 7 formulas are used to calculate the Factor and Result.
- 10 Operator names can be stored.
- Feather touch keyboard for selection stirrer speed.
- Facility to customize test reports with user company's name and instrument ID.
- Results in Percentage, PPM and mg. of H₂O.
- On line messages for user friendly operations.
- Error Messages to avoid wastage of chemicals.
- Built-in Volume validation & Calibration facility.
- Printout as per GLP requirements.

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).
- Keyboard: 16 keys feather touch keyboard.
- MOC: SS cabinet.
- 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 2010 or above.

RS232 Serial com port to USB port converter, CD drive.

VEEGO/MATIC – MD + P

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

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