



Product Code . JA-MT-2207

Microprocessor K.F. Moisture Titrator

Description

Microprocessor K.F. Moisture Titrator

Features:-

Auto Computation of Moisture in ppm, % & mg H₂O.

Storage of Date, Time, Batch No. and Final Results

8-Digit Digital Display

Motorized Dispensing

External Printer Attachment Facility

Microprocessor KF Moisture Titrator is the finest volumetric titrator available.

It uses the latest microcontroller technology and advanced engineering techniques so as to give enhanced accuracy and reproducibility.

The system has user friendly prompts which guide you throughout the titration process.

This titrator eliminates the use of conventional delicate and fragile glass burettes and plunger systems.

It uses a highly sensitive motorized dispensing system for precise control of titrant volumes.

This titrator analyses the moisture concentration of liquid samples, powder, fine particles and fiber samples that are soluble in alcohol or solvents.

The moisture content is displayed in ppm, %age and mg H₂O.

The system has 24 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 LED and audible alarm.

The titrator has the facility for automatically calculating the titer factor of the Karl Fischer reagent.

It uses the repeated averaging method so as to give the most accurate titer value.

It has the storage facility of date, time, batch no. and final results of 20 titrations using the FIFO method.



The internal battery backup ;provision has been made to store the results and the other titration parameters for a minimum of 1 month even if the instrument is not switched ON.

Provision for external printer attachment is available so that any of the stored results can be printed even at a later stage.

Specifications:-

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| Measuring Range | 10 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 H ₂ O : (0.00 to 999.99) |
| KF Titer Factor | In-built Automatic KF Titer Factor calculation facility |
| End Point Alarm | Visual LED and Audible Alarm |
| Dispensing Pump Calibration | Available through Key board |
| Wait Time for End Point | Adjustable (1 to 59 seconds) |
| Key Board | 24 keys soft touch membrane type |
| Sample storage | Up-to 20 latest samples using FIFO memory |
| Display | 8 digit bright red seven segment display. |
| Clock | In-built clock with date & time display |
| Stirrer | In-built Magnetic stirrer with adjustable speed. |
| Reagent Bottle | 3x250ml bottle for KF Reagent, methanol & calcium chloride |
| Printer Interface | External Serial printer interface available. |

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| Power Supply | 230V A.C \pm 10% 50 Hz. |
| Dimensions | 360 x 295 x 175 mm |
| Accessories | Dual Platinum Electrode, Built-In Magnetic Stirrer, 250ml Bottle for Methanol, 10 Syringe, 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 Calcium Chloride, Adapter for Methanol Reservoir Bottle, Set of Connecting Tubes, Main Lead, Instruction Manual |

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