

SYSTONIC INDIA PRIVATE LIMITED

Microprocessor Karl Fischer Titrimeter S-977



Microprocessor Karl Fischer Titrimeter Titrator S-- 977 is the finest volumetric titrator available. 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, titrator 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 titrator factor of the karl fisher 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.

Technical Specifications: -

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

Accessories:-

- Dual Platinum Electrode,
- Built-In Magnetic Stirrer,
- 250ml Bottle for Methanol, (Titration Bottle)
- 25µl, µ pipettes,
- Adapter for KF Reservoir,
- Set of Dispenser Tubes,
- Bottle Container, (extra bottle)
- Dust Cover,
- Titration Vessel with Teflon Cover,
- Teflon Coated Magnetic Stirrer Capsule,
- 250 ml Reservoir Bottle for KF Solution,
- 250 ml bottle for Silica Gel
- Adaptor for Methanol Reservoir Bottle,
- Set of Connecting Tubes,
- Software CD
- Instruction Manual
- USB Cable and Adaptor

Model	S-977
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	0.01ml
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 Titrator Factor	In-Built Automatic KF Titrator 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	3 x 250 ml Bottle for KF Reagent, Methanol & Silica Gel
PC Interface	USB Port
Power Supply	230V, ±10% AC, 50Hz
Dimension	385X29X140 mm (LXBXH)
Weight	15 KG Approx.