

AUTOMATIC KARL FISCHER TITRATOR 3760



EPC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

www.analyticalgroup.net

MICROPROCESSOR K.F. MOISTURE TITRATOR, Model 3760 is the finest volumetric titrator available. It uses the latest microcontroller technology to give enhanced accuracy and reproducibility. The 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 content in 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 comfortably need the values of samples, density, titer factor, date, time etc. 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 other titration parameters for a minimum of 1 month even if the instrument is switched OFF. Provision for external printer attachment is available so that any of the stored results can be printed even at a later stage.

►► About Analytical Technologies

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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 mlipsum |
| INDICATION OF TITRANT VOLUME | 0.00 to 99.99 ml on display ppm : (10 to 999999) mg H ₂ O : (0.00 to 999.99) |
| MOISTURE CONTENT CALCULATION (AUTOMATIC) | In-built automatic KF Titer Factor calculation facility |
| KF TITER FACTOR | Visual LED and Audible Alarm |
| END POINT ALARM | Adjustable (1 to 59 seconds) |
| WAIT TIME FOR END POINT ALARM | Available through keyboard |
| DISPENSING PUMP CALIBRATION | 24 keys soft touch, membrane type |
| KEYBOARD | Upto 20 latest samples using FIFO memory |

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| SAMPLE STORAGE | 8 digit bright red, seven segmnet LED display |
| DISPLAY | In-built clock with date and time display |
| CLOCK | In-built magnetic stirrer with adjustable speed |
| STIRRER | 3x250 ml bottles for KF Reagent, Methanol & Calcuim Chloride |
| REAGENT BOTTLES | External Dot - matrix Printer interface available |
| POWER | 230 V AC + 10%, 50 Hz |
| DIMENSIONS | L 360 x B 295 x H 175 mm (Approx.) |
| STANDARD ACCESSOIRES | <ul style="list-style-type: none"> * Dual Platinum Electorde * Titration Vessel * Built-in Magnetic Stirrer * Teflon Coated Magnetic Stirring Capsule * 250ml Bottle for Methanol * 250ml Reservoir Bottle for KF Solution * 25μl Syringe * 250 ml Bottle for Calcium Chloride * Adaptor for KF Reservoir * Adaptor for accitone Reservoir Bottle * Set of Dispenser Tubes * Set of Connecting Tubes * Main Lead * Instrution Manual. |

▶▶ Regulatory compliances



▶▶ Corporate Social Responsibility

Analytical Foundation is a Nonprofit Organization (NGO) found for the purpose of:



Analytical Foundation

1. Research & Innovation Scientist's awards / QC Professional Award : Quality life is possible by innovation only and the innovation is possible by research only, hence ANALYTICAL FOUNDATION is committed to identify such personalities for their contributions across various field of Science and Technology and awarding them yearly. To participate for award, send us your details of research / testing / publication at info@analyticalfoundation.org

2. Improving quality of life by offering YOGA Training courses, Work shops / Seminars etc.

3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds, souls and body by means of Yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.

▶▶ Reach us @



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