



POTENTIOMETRIC TITRATORS

The Automatic Potentiometric Titrators are Micro-Controller Based Titrator designed for Aqueous, Non- Aqueous and Red-Ox Titrations. These titrators are used in QA, QC and R&D labs in Pharmaceutical, Chemical, Petrochemical and other industries.

DIGITAL AUTOMATIC POTENTIOMETRIC TITRATION APPARATUS, MODEL: AUTO/POT-I



Technical Specifications:

- Microcontroller Based Titrator suitable for Aqueous/Non-Aqueous and Red-Ox titrations.
- Suitable for TAN /TBN titrations as per various ASTM Methods.
- Built-in Magnetic Stirrer.
- Valve less Dispenser suitable to handle various titrants.
- Titrant can be changed within no time.
- Cumbersome Piston Burette and non-return valve system is eliminated for ease of operation.
- No Refilling is necessary after every titration.
- Several titrations can be carried out un-interruptedly.
- Eliminates the need of separate Dispenser for different titrants.
- Direct Volume Addition facility to reduce titration time.
- Step Volume Dosing for Routine Titrations.
- Speed Mode with variable titration speed.
- Addition slows down automatically as the End Point approaches.
- Various Modes such as Blank, Normality, and Sample Test.
- Supports two methods for Normality. Standard Sample and Volumetric.
- Average Normality Calculation facility.
- Single, Double and Multi Peak Titration facility.
- Up to 10 Peaks can be determined.
- Easy-to-read Large Graphic Display.
- On line messages for user friendly operations.
- On line information of the Titration Status.

Registered Office: Survey No. 81, Plot No. 16-17, Junagadh Road, Near Lion's School, Jetpur - 360370, Gujarat, India.

Branch Office: 401, Vithal Bhavan, 1st Floor, Chira Bazaar J.S.S. Road, Mumbai – 400 002, India.

Tel: +91 022 66370811, +91 022 66370812 **Email:** info@alakhealthcare.com **Website:** www.alakhealthcare.com



- QWERTY Keyboard (PC Keyboard) Interface for easy alphanumeric data entry.
- Alphanumeric data entry for various Titration Parameters.
- Error Messages to avoid incorrect data entry.
- Printout as per GLP requirements.
- Test method storage facility up to 100 test methods.
- Password protected data.
- RS 232 Interface for PC to download the data.
- Graphical Representation in different formats.
- Statistical calculations such as Average, SD, RSD.
- 'SEARCH' and 'REPORT' facilities.

Standard Accessories:

Glass Electrode. 1 No
Calomel Reference Electrode: 1 No. Platinum Electrode: 2 Nos.

DIGITAL AUTOMATIC POTENTIOMETRIC TITRATION APPARATUS, MODEL: AUTO/POT-KF

The instrument same as Model AUTO/POT – I with following additional features for Karl Fischer Titrations:

Features:

- Combined instrument suitable for Potentiometric as well as Karl Fischer Titrations.
- Supports both Water and DST method for Factor determination.
- Error messages inform the problems regarding chemicals.
- Results in Percentage, PPM and mg of H₂O.
- Range of Moisture Detection: 50 PPM to 100% with appropriate sample size.
- Drift Control: Automatic Drift Compensation.

Standard Accessories:

The standard accessories supplied are same as Model AUTO/POT – I with following additional accessories for Karl Fischer Titrations:

Dual Platinum Electrode 1 No
Micro liter Syringe 1 No

Registered Office: Survey No. 81, Plot No. 16-17, Junagadh Road, Near Lion's School, Jetpur - 360370, Gujarat, India.

Branch Office: 401, Vithal Bhavan, 1st Floor, Chira Bazaar J.S.S. Road, Mumbai – 400 002, India.

Tel: +91 022 66370811, +91 022 66370812 **Email:** info@alakhealthcare.com **Website:** www.alakhealthcare.com



3 DIGITAL AUTOMATIC POTENTIOMETRIC TITRATION APPARATUS, MODEL: AUTO/POT-pH-KF

The instrument is same as Model AUTO/POT-KF with following additional features for pH Titrations.

Features:

- Combined instrument suitable for Potentiometric, Karl Fischer as well as pH Titrations.
- pH range 0 -14 pH Resolution 0.01 pH.
- 3 Point Calibration with T. C.
- Automatic and Manual Temperature Compensation.
- pH Calibration by Three Buffers.

Standard Accessories:

The standard accessories supplied are same as Model AUTO/POT-KF with following additional accessories for pH Titrations:

pH Electrode 0 – 14 pH 1 No. Standard pH Buffer 1 Set.

Optional Accessories:

80 Column Dot Matrix Printer.

Combined Silver with Ag-AgCl Reference. Electrode.

(Suitable for Argentimetric Titrations)

Combined Platinum with Hg-Hg₂SO₄ Reference. Electrode

(Suitable for Antibiotic Titrations)

Note:

The procedure for various Potentiometric and Oxidation Reduction Titrations is different. It is therefore necessary to know the operation of the instrument thoroughly. We can arrange the necessary Training and Demonstration of the instrument at our Mumbai Office. You can inform us the Method of Analysis of the samples so that we can suggest you the proper electrodes and guide to the best of our knowledge. The detailed Instruction Manual is supplied with the instrument is useful to know operating procedure of instrument. It is recommended to arrange the visit of your chemist to our Mumbai office for the training and demonstration.

Registered Office: Survey No. 81, Plot No. 16-17, Junagadh Road, Near Lion's School, Jetpur - 360370, Gujarat, India.

Branch Office: 401, Vithal Bhavan, 1st Floor, Chira Bazaar J.S.S. Road, Mumbai – 400 002, India.

Tel: +91 022 66370811, +91 022 66370812 **Email:** info@alakhealthcare.com **Website:** www.alakhealthcare.com