VEEGO
EXPERTISE THROUGH EXPERIENCE

POTENTIOMETRIC TITRATION APPARATUS

MODEL : AUTO/POT – I

Potentiometric Titrator is used to determine the purity of a substance as per standard method. A precison despencer is used to add titrant accurately into titration cell. Potential developed across Indicator and Reference Electrode is measured. Endpoint of the titration is determined automatically and result is displayed on the screen.

FEATURES :

- Microcontroller Based easy to operate Advanced Automatic Titrator.
- Incorporated with maintenance free Metering dispenser.
- Eliminates the need of separate dispenser for different titrants.
- Informative LCD backlit graphic display for user friendly operations.
- Keyboard: 4 x 4 feather touch key board and QWERTY keyboard.
- Step Volume Dosing Mode and Speed Mode.
- Supports two methods for Normality : Standard Sample and Volumetric.
- Single, Double and Multi Peak Titration facility.
- Storage for 100 test methods.
- Password protection facility.
- Log-in facility for individual operator with password.
- Printer Interface : 25 Pin D type parallel port for Dot matrix printer.
- Print out format as per GLP requirement.
- 'Titration Monitor' software for PC Interface.
- Balance Interface: 9 Pin D type serial RS 232.

POTENTIOMETRIC TITRATION APPARATUS

MODEL: **AUTO/POT–I (CF),**
21 CFR Part 11 Compliant

MODEL: AUTO/POT–I (CF)

Instrument same as Model : **AUTO/POT-I** having additional 21 CFR Part 11 Features:

- Four User Level based functionality: Main Admin, Admin, Supervisor, and User.
- Role Based Access Control.
- Login Screen to login into software.
- Incorporated with User management Module for Account Setting, Editing etc.
- Uniqueness of User Id.
- Password Management as per guidelines.
- System Time-outs after idleness.
- System tracks the print & re-prints with audit trail.
- Back-Up Folder Facility.
- PC Interface through Ethernet Port.
- Results are authenticated by Operator with Date and Time Stamp.
- All user actions are recorded in Audit Trail with Date and Time Stamp.
- Non-Editable Audit Trail.

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EXPERTISE THROUGH EXPERIENCE

POTENTIOMETRIC TITRATION APPARATUS

MODEL : **AUTO/POT – KF**

Combined model suitable for Potentiometric & Karl Fischer Titrations.

Instrument same as Model : AUTO/POT-I with additional facility for Karl Fisher titrations.

ADDITIONAL FEATURES:

- Drift control: Automatic Drift Compensation.
- Supports both Water and DST methods for Factor determination.
- Results in Percentage, PPM and mg of H_2O.
- Range of Moisture Detection: 50 PPM to 100% with appropriate Sample Size.
- Despensing Resolution: 0.01 ml.

POTENTIOMETRIC TITRATION APPARATUS

MODEL : **AUTO/POT –KF(CF)**

Combined model suitable for Potentiometric & Karl Fischer Titrations.

Instrument same as Model : AUTO/POT-KF having additional 21 CFR Part 11 features.

POTENTIOMETRIC TITRATION APPARATUS

MODEL : **AUTO/POT – KF/pH**

Combined model suitable for Potentiometric, Karl Fischer & pH Titrations.

Instrument same as Model : AUTO/POT-KF with additional facility for pH titrations.

ADDITIONAL FEATURES:

- Measuring pH Range: 0 -14 pH.
- 3 Point calibration with manual temperature compensation.
- pH calibration using three buffer solutions.

Additional Features

	AUTO/POT-I	AUTO/POT-KF	AUTO/POT-KF/pH	AUTO/POT-I (CF)	AUTO/POT-KF(CF)
Automatic Drift Compensation.	—	✓	✓	—	✓
For Factor Determination Supports Water and DST Method.	—	✓	✓	—	✓
Range of Moisture Detection: 50 PPM to 100% with appropriate sample size.	—	✓	✓	—	✓
Range of pH Measurement : 0 to 14 pH.	—	—	✓	—	—
Accuracy : 0.01 pH.	—	—	✓	—	—
Three Buffer pH Calibration with Manual Temp. Compensation.	—	—	✓	—	—
Millivolt Range.	0 mV to + 4000 mV or equivalent to - 2000 to 2000 mV			-2000 to 2000 mV	

CFR Features

	AUTO/POT-I	AUTO/POT-KF	AUTO/POT-KF/pH	AUTO/POT-I (CF)	AUTO/POT-KF(CF)
Four user levels Main Admin, Admin, Supervisor, User.	—	—	—	✓	✓
Role Based Access Control.	—	—	—	✓	✓
User management Module for Account Setting & Editing.	—	—	—	✓	✓
Uniqe user id.	—	—	—	✓	✓
Configurable password strenth.	—	—	—	✓	✓
System Time - outs after idleness.	—	—	—	✓	✓
Print copy number for Test Reports.	—	—	—	✓	✓
Back-Up & Restore Facility.	—	—	—	✓	✓
Authenticationof test results with Date and Time Stamp.	—	—	—	✓	✓
All user actions are recorded in Audit Trail with Date and Time Stamped and are nan editable.	—	—	—	✓	✓

Sign Indicates "✓" applicable. Sing Indicates "—" not applicable.

APPLICATIONS:

The Instruments are suitable for Quality Control, Quality Assurance and R & D labs for following applications.

- Aqueous, Non-Aqueous and Red-Ox titrations.
- TAN /TBN titrations (Total Acid/Base Number) as per various ASTM methods.
- Assay Determination in Pharma Industry
- Chloride and Bromide Analysis.
- Di-Azotization Titrations.
- Iodine number and Saponification Number.
- Complexometric – EDTA Titrations.
- Estimation of Iso-Cynate group.

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