POTENTIOMETRIC AUTO_TITRATOR

Features

- Combination of Potentiometric Titrator and RS-Titrator (All in One)

- SVD, FED, Blank, Normality, Sample modes in Auto-titrator mode.

- Titer, Blank, and Sample modes in RS- Titrator mode.

- Touch screen with intuitive GUI for easy understanding of workflow.

- Password protection against invalid user access.

- Burette Recognition Facility.

- Large storage capacity for report storage.

- Reports are stored in the system and can be viewed even after reboot.

- RSD, LINEARITY, and AVERAGE can be generated stored, and viewed anytime later.

- Customized Formulas can be created and used in titration to generate results.

- Titration Numbers Auto increment and auxiliary parameters for Company information & Sample Data

- can be entered for Titrations run and can be viewed in titration reports.

- All reports generated can be viewed, printed, or transferred to an external storage drive.

- Balance Interface can be available during titration through a USB Port.

- Online graph to view the titration trend.

Technical Specifications:

Principle	Volume determination by equivalent end point
mV range	± 2500mV
Accuracy	± 0.01mV
Input Impedance	1012 ohms
Burette Resolution	1 micro litre
Filling Time	Max. 30 secs.
Sensors	1. Potentiometric (pH, Redox, Aqueous, Non-Aqueous, Complexometric, Argentometric, ISE, Electrodes) 2. Temperature Sensor. 3. Karl Fischer Electrode
Result Unit	Conc., % w/w, % w/v, g/L, mg/L, TAN/TBN, Purity, PPM
Method	Step Volume Dosing (SVD), Anticipatory Step Dosing (ASD), Fixed End Point Dosing (FED) & Karl Fischer (KF)
Titration mode	Blank, Sample, Normality & Titer
Report	Analysis Report (Result, Parameter, Document, mL/mV, Graph) Statistic Report (Average, RSD, Linearity) Calibration
Reports & Method	Report (pH, ORP, ISE)
Storage	1000 Reports & Method
End Point Detection	Potentiometric, Voltametric
Display	7 inch Capacitive Touch Screen
Calibration	5 point calibration (pH, ISE) 2 point calibration (ORP)
Stirrer	Separate Stirrer with Touch Screen based Speed Control.
Technology	ARM Cortex SOC with MIPS
Cut-Off Criteria	Volume, End Point, mV/pH
Communication	Ethernet (Datahive S/W for Data Collection with 21 CFR Part 11 Compliance),
Interface	Ethernet/WI/FI (PC connectivity, printer over intra network), USB for report transfer to external drive, printer interface.
Printer	Any LAN or USB printer (Laser Printer, Deskjet Printer of all brands)
Operating Condition	Indoor, Ambient Temperature 45°C, Humidity 5 to 90% non-conditioning
End Point Detection	Largest, Last, Selected Ep
Power	Single Phase 230 Volts AC 50 Hz