

Potentiometric Titrator EzTitrator-L pH stat



Features:

- Advanced Micro controller based user-friendly state-of-the-art product design.
- User interactive software in dialogue mode for ease of operation with protection against invalid entries.
- Alphanumeric entry of Sample Name, Titrant Name, Sample Number, Type of Electrode used for authentication. Daily Auto Incremented Titration number and Factory entered CUSTOMER NAME and Instrument Sr. No. on report printouts make the system foolproof and GLP compliant.
- User selectable End Point evaluation up to 10 EP during the titration, and calculation by first, last, largest, all or selected EP with display of results and printout.
- Composite differential Electrode Amplifier unit for Potentiometric and Voltametric/KF Titrations, having connectivity to various Electrodes & Temperature Sensor PT-100.
- Auto evaluation report for multi EP samples Ep1, Ep2, EP2-EP1 etc available.
- Compliant to ASTM D664, D2896 & D4739 for TAN and TBN analysis for oil samples.
- Start criteria with respect to ml, mv, pH for initial fast dosing to reduce titration time.
- Stop criteria with respect to ml, mv, pH dpH & slope. The titration process ends after the desired end point or set value. Saves chemicals.
- Wide range of parameters selection enables the user to chose size of dosing, delay time between the steps, or complete automatic selection in ASD method.
- Titration can be started with last titration parameters. Display of last titration parameters while entering or running method
- Display of stir time after pre dispensing.
- Error beeps in case of wrong entries.
- Three formulae in Normality mode for w/w, w/v and third to verify old Normality.
- Eight formulae in sample mode for different unit to find purity or concentration.
- Formula number 6 and 7 for TAN TBN Titration and formula number 8 is for user defined unit.
- Buzzer indication at each end point.
- Short result report available on display printout can be taken for full document report or Individual reports as short result report, parameter report, data report & graphics.
- System Linearity:
The instrument has facility to store 10 results.
Linearity of any five results can be obtained from the results stored.
No need to do manual calculation or using any other device for calculations.
- Relative Standard Deviations:
Mean of any five readings can be obtained from the results stored.
RSD of any five results can be obtained from the results stored.
No need to do manual calculation or using any other device for calculations.

*The information contained in this document is believed to be correct but ELECTROLAB accepts no liability for any errors and reserves the right to alter specifications without notice.

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Potentiometric Titrator

EzTitrator-L pH stat

Specifications:

Model	EzTitrator-L pH stat
Principle	Volume determination by equivalence point, end point or pH STAT
Control	Micro controlled based (advanced version of Microprocessor)
End Point Detection	Potentiometric / Voltametric
Units	Molarity, Normality, % w/w, % w/v, ppm, mg/l, g/l, TAN & TBN [for oil]
Reports Format	Document, Parameter, Short Result, Calibration and Graphic Report i) ml v/s mV ii) ml v/s dmV iii) 1 derivative Statistics Report with Mean, SD, RSD & Linearity pH v/s time for pH stat
Cut-off Criteria	(1) Volume (2) End Point (3) mV/pH
Models of Titrations	Blank, Normality, Sample
Methods	FED, SVD, ASD, PH STAT
Method Storage	51 methods each with several parameters
Stirrer System	High speed vortex stirrer
Stir Time	Selectable upto 999 seconds
Sensors	Electrodes for pH, Redox, argentometric combination or two separate electrodes [indicator & reference] Electrode for KF/Voltametric titration [with BNC/TNC connectors] PT100 [for temperature]
Calibration	3-point Calibration
Burette Resolution	1/20000 (0.001ml)
Filling Time	< 20 sec
mV Range	± 1999.9 mV
Accuracy	0.1 mV (0.0017 pH)
Input Impedance	> 10 ¹² ohms
Polarizing Current	2, 5, 10 µA
Keyboard	Aesthetic, Soft touch, Tactile keyboard
Display	20 x 2 line back lighted LCD display
Peripheral Interface	Parallel Port : 1 No. for printer Serial Port : 2 Nos. for balance & PC
Environmental Requirements	Operation : Indoor Temperature : Ambient to 45°C Humidity : 5 to 90 % non-considering
Power	220/230 VAC, 50/60 Hz, 600 W/2.6 Amp / 110 VAC, 50/60 Hz, 600 W/5.5 Amp
Dimensions (L x W x H)	32cm x 38cm x 34cm
Weight	8 Kgs

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