

Ti-31 Automatic Potential Titrator



GENERAL FEATURES

- High contrast LCD touchscreen, 5.7 inches.
- Potential titration analysis.
- Replaceable burette with high-accuracy (10 mL or 20 mL selectable).
- Burette line using acid and alkali resistance, perchloric acid resistance, organic reagent corrosion resistant material, can be non-aqueous titration.
- Support upper mixer and lower mixer.
- Support the following titration modes: DET (dynamic equivalence point titration), MET (monotone equivalence point titration), SET (Preset Endpoint Titration), Blank titration, and MAT (manual titration).
- Support acid-base titration, non-aqueous phase acid-base titration, REDOX titration, precipitation titration and complex titration and other titration methods.
- It has titrant management.
- 1-3 points calibration with Standard Recognition.
- Selectable pH buffer groups, including NIST, GOST.
- Displays the test method, titration curve and measurement results in real time.
- Formula editor can display calculation results directly.

Data management

- Data Storage 500 sets (GLP-compliant).
- RS-232 communication for print and the print format can be alternate.
- USB communication for PC software.
- USB drive for data export with CSV or PDF format.

Includes

- 10 mL Burette (alternatives: 20 mL)
- 231-01 pH indicator electrode
- 213-01 Platinum electrode
- 216-01 Silver electrode
- 232-01-D Reference electrode
- 217-01-D Reference electrode
- T-818-Q Temperature probe
- pH standard powder(4.01, 7.00, 10.01)

Model		Ti-31
Repeatability		≤0.2%
Burette	Accuracy	10mL Burette: ±0.025mL 20mL Burette: ±0.035mL
	Resolution	1/50000
Measuring Unit	Range	(-2000.0 ~ 2000.0)mV, (0.00 ~ 14.00)pH
	Resolution	pH: 0.01pH mV: 0.1mV
	Accuracy	pH: ±0.01pH mV: ±0.05%FS
	Fluctuation	±0.3mV/3h
	Repeatability	0.01%FS
Temp. Compensation	Range	(-5.0~105.0)°C
	Resolution	0.1°C
	Accuracy	±0.2°C
General	Power Supply	AC 80-250V, 47-63Hz
	Dimensions	240×370×270 mm
	Net Weight	4 kg