

STALWART

Auto Titrator ST-861



Description

ST-861 is a durable, accurate, cost-effective automatic potential titrator. It uses an modular and compact design, can finish acid-base titration, redox titration, precipitation titration and complexation titration and other common titration.

Features

Compact integrated design

- Easy to pick up to anywhere you need to, the host, stir, titration, reagent bottle holder are integrated with the shell.
- 7-inch color touch screen, inbuilt Android-based operating system, multi-status indicator light.
- The main unit is Splash-proof. And the titration base has the liquid drainage design to prevent liquid deposition and penetration.
- The reagent bottle has sealing cover, can fill the effective isolation adsorption material, to prevent any polluted by the air or the escaped odour.
- Zero-dead volume solenoid valve, changing easily for PTFE burette.

Smaller body, higher performance

- Support MET, DET, EP and other titration modes, can finish acid-base, precipitation, nonaqueous, redox, complexation and other titration.
- With programmable liquid dispensing function, can set the liquid adding volume, liquid adding interval, liquid adding times, to prepare the solvent.
- Support the function of Custom formula editor, to let the complicated calculation's results easily.
- All detailed titration nodes can be viewed, and the end point can be manually set and saved as associated data, reducing unnecessary repeated laboratory tests.
- Historical data can be viewed during testing, let the error correction in time.
- Multiple self-inspecting function, pH electrode calibration, burette calibration.
- The methods are programmable and storable, and can be one-click call out.

Perfect laboratory data security management

- Four levels of authority for ID, and each level ID's authority is settable.
- E-Signature, Data exporting is tamper-proofing, and so on.
- Support password security setting, and also can set the passwords' aging time.
- Support PDF or Excel formats data export, both list or detailed reports.
- Support dot matrix printer and wireless connection laser printer.
- Storage space: 4G
- With a multi-level retrieval function, you can quickly search the target data from the data base.

Specification

Item		ST-861
Measurement mode	MEAS	pH/mV
	CAL	pH calibration
	SET	End point setting
	MET	monotonic titration
Burette	Volume	15mL/25mL
Stirring	Mode	magnetic
	Titration cup volume	100mL
Electrode	mV/pH	1 x BNC
	Reference	1
	PT1000	1 x NTC
Communication	USB	1
	Stirrer	1
	Power	1
	Printer	1
mV/pH	Measurement range	±1,999 mV 0.00~14.00 pH
	Resolution:	0.1 mV / 0.01 pH
	Error	0.2 mV / 0.02pH
PT1000	Measurement range	0-100°C
	Resolution:	0.1°C
	Error	0.2°C
Burette	15 mL tolerance	±0.025mL
	25 mL tolerance	±0.035mL
	Dosing Repeatability	0.20%
	mV Repeatability	≤0.2mV
Controller	Display	7" inch touch screen
Information	Weight	10 Kg
	Power	110-240V,50/6