



AT1000 Potentiometric Titrator with 2 Burettes and 2 Pumps - Model AT1222

Product #: AT1222.97
ZAR Price: Contact Hach
No availability shown

Accurate and reliable titrations without all the costs and complications

Simplify complex titration with the Titrablab AT1000 from Hach. Straight from the box the AT1000 eliminates operator interpretation and manual processes you have come to expect with existing manual titration. The automatic system gives you more reliable results without complicated analysis. To make setup and titration simple, the AT1000 utilizes application specific kits to make it quick and easy for anyone to set up and operate a test.

Accurate and Reliable Titration Results

- Eliminates errors in manual processes and operator interpretation
- Pre-programmed titration methods automatically detect endpoints and perform calculations
- High resolution electronic burettes with 20,000 steps
- Automatic sample preparation using embedded peristaltic pumps
- High performance probes for reliable measurements

Easy to Use for all Operators

- Press one button to get the correct result
- Operators of all skill levels can get accurate measurements
- No need for custom programming with Hach's unique application specific routines
- Simple user interface with large color display that shows the titration curve as it is measuring
- USB ports to quickly and easily capture data to a PC and attach optional keyboard/mouse or printer

Low Cost of Ownership

- Reduces the amount of reagent used for every titration cutting cost of ownership month after month
- Increases lab throughput by allowing operator to prepare next sample while titrator performs measurement
- Adding an AS1000 sample changer allows the operator to load multiple samples and come back for results later

Improves Lab Safety

- Minimizes direct contact with reagents
- No need for potentially dangerous colored indicators
- Instrument can be easily and safely moved thanks to the compact design

Low Maintenance

- Reliable design significantly reduces downtime
 - Extended periods between maintenance routines
 - Maintenance is simple and easy to perform
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Specifications

Application:	10
Automatic Reagent Addition(s):	Integrated peristaltic pumps for reagent addition
Beaker Volumes Accepted:	System specific beakers: Polypropylene, 50 mL & 150 mL with clips Generic beakers supported: Up to 250 mL low form glass
Burette:	2
Burette motor resolution:	20,000 steps with electronic μ stepping technology (128 μ steps/step)
Burette: Volumes Available:	2.5/5/10/25 mL, ISO8655-3
Calibration curves display:	Direct & derivative titration curves, electrode calibration curve
Calibration Intervals/Alerts/Reminder:	Yes, user defined period
Data storage:	Date, Time, Operator IDs, Sample IDs
Display Type:	5,7"; Graphic colour; VGA
Embedded procedures:	Tubing bubble purging, reagent priming, burette and pump replacement
Languages user interface:	English, German, French, Italian, Spanish
Maintenance scheduler:	Yes, user defined
Measurement method:	Potentiometric (zero & imposed current), amperometric, colorimetric
Model:	AT1222
Operating conditions:	15 - 35 °C (59 - 95 °F), 20 - 80 % RH, non-condensing
Operating Humidity:	20 - 80 % (non-condensing)
Operating Interface:	Soft keypad (silicone)
Operating temperature range:	15 - 35 °C (59 - 95 °F)
Outputs:	Electrode ports (x2), USB (x2), Serial (x1), Ethernet (x1)
Parameter:	mV/pH, Conductivity, Temperature (°C or °F)
Pollution Degree:	2
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100/240 VAC
Pumps:	2
Required Application Package/s:	AP0005.AT1222 pH, Alkalinity & Hardness in Water AP0011.AT1222 pH, Total Acidity & Chlorides in Food & Beverage AP0013.AT1222 pH, Total Acidity, Free & Total SO ₂ in Wine
Resolution:	mV/pH: ± 0.1 mV / ± 0.001 pH
Storage conditions:	-5 - 40 °C
Titration modes:	Sample, blank, sample with blank, QC sample, QC sample with blank
Titration types:	Potentiometric (zero & imposed current), amperometric, colorimetric
Warranty:	12 months
Weight:	4 kg
What's included?:	1 ea. AT1222-Titralab AT1000 Titrator

1 ea. LZE144- Power Supply

1 ea. LZE141- 4 position tube holder

1 ea. LZE185- Electrode Storage Tube

1 ea. Basic User Manual

Sold Separately: Don't forget to order your Application Pack and Reagents and consider purchasing an AS1000 Sample Changer.

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1 ea. AT1222-Titralab AT1000 Titrator 1 ea. LZE144- Power Supply 1 ea. LZE141- 4 position tube holder 1 ea. LZE185- Electrode Storage Tube 1 ea. Basic User Manual
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Required Accessories

- Titration Application Pack Food & Beverage: pH, Total Acidity & Chlorides in Food & Beverage (Item AP0011.AT1222)
- Titration Application Pack, Food & Beverage: pH, Total Acidity & SO_2 in wine (Item AP0013.AT1222)
- Titration Application Pack Water: pH, Alkalinity & Hardness (ISE) (Item AP0005.AT1222)