



TitraLab® AT1000 Series Potentiometric Titrator, 1 Burette

Product #: AT1102.97

USD Price: Contact Hach

Available

Automatic titration without all the complications

Simplify complex titration with the TitraLab® 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.

Reliable Titration Results

Eliminates operator interpretation and manual processes with automatic titration to quickly deliver accurate and repeatable results. Pre-programmed titration methods detect end points and eliminate manual calculations to make results easier to achieve without advanced programming.

Simple Setup and Titration

Application-specific functions to eliminate complex titration setup and analysis. Hach's unique application kits make it quick for anyone to set up and operate a test.

Specifications

Accessories:	Supported peripherals: printer, PC software, balance, sample changer, keyboard, mouse, barcode reader, sampling pump, propeller stirrer
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:	1
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:	Titrant & electrode (up to 5 buffers in Auto Mode, fixed & user defined)
Calibration Curves Display:	Direct & derivative titration curves, electrode calibration curve
Calibration Intervals/Alerts/Reminder:	Yes, user defined period
Certifications:	Safety IEC/EN 61010-1; EMC IEC/EN 61326-1
Data Export:	On USB flash drive, CSV format, Excel compatible
Data Memory:	Last 100 samples, QC & blank analyses, last 10 calibrations
Data Storage:	Date, Time, Operator IDs, Sample IDs
Dimensions (H x W x D):	220 mm x 400 mm x 360 mm
Display Type:	5,7"; Graphic color; VGA
Electrode:	IntelliCAL ("Plug & Play" digital), analog, photocolometric; 2 Inputs available
Embedded Procedures:	Tubing bubble purging, reagent priming, burette and pump replacement
Installation category:	Category II
Languages:	English, German, French, Italian, Spanish
Maintenance Scheduler:	Yes, user defined
Material Enclosures:	PP Latene, silicone, hardened glass, POM, stainless steel. Splashproof design.

Measurement Method:	Potentiometric (zero & imposed current), amperometric, colorimetric
Measurement Modes:	End Point, Inflection Point - sample, blank, sample with blank, QC sample, QC sample with blank
Measurements:	mV/pH, Conductivity, Temperature (°C or °F)
Operating Conditions:	15 to 35 °C (59 to 95 °F), 20 to 80 % RH, non-condensing
Operating Interface:	Soft keypad (Silicone)
Output:	Electrode ports (x2), USB (x2), Serial (x1), Ethernet (x1)
Parameter:	mV/pH, Conductivity, Temperature
Password Protection:	Yes, user defined
Pollution Degree:	2
Power Requirements (Hz):	50/60 Hz
Power Requirements (Voltage):	100/240 VAC
Pump flow rate:	100 mL/min
Pumps:	0
Recommended Application Package/s:	AP0001.AT1102 pH & Alkalinity in Water AP0006.AT1102 Volatil Acids & Alaklinity (Biogas) AP0008.AT1102 pH & Total Acidity in Wine & Juices AP0015.AT1102 TAN AP0016.AT1102 TBN
Resolution:	Temperature: ±0.3 °C
Sample Stand:	Integrated, magnetic stirring, beakers up to 250 mL
Storage Conditions:	-5 to 40 °C
Supported Peripherals:	Printer, PC software, balance, sample changer, keyboard, mouse, barcode reader, sampling pump, propeller stirrer
Titration Modes:	Sample, blank, sample with blank, QC sample, QC sample with blank
Titration Types:	Potentiometric (zero & imposed current), amperometric, colorimetric
Warranty:	1 year
Weight:	8.82 lbs. (4 kg)

Required Accessories

- Titration Application Pack Water: pH & Alkalinity (Item AP0001.AT1102)
- Titration Application Pack Water: pH/EC & Alkalinity (Item AP0002.AT1102)
- Titration Application Pack Biogas: FOS/TAK (Item AP0006.AT1102)
- Titration Application Pack Petrochemistry: TAN (Total Acid Number) (Item AP0015.AT1102)
- Titration Application Pack Petrochemistry: TBN (Total Base Number) (Item AP0016.AT1102)
- Titration Application Pack Petrochemistry: Bromine Number (Item AP0018.AT1102)