



AT1000 Series Potentiometric Titrator with 1 Burette - Model AT1102

Product #:

AT1102.98

AED Price:

Contact Hach

Call for ship date

Automatic titration without all the 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.

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

Application:	5
Automatic reagent addition:	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 for Titrant:	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:	Electrode & titrant (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 logger:	On USB flash drive, CSV format, Excel compatible
Data storage:	Last 100 samples, QC & blank analyses, last 10 calibrations

Display type:	5,7"; Graphic color; VGA
Electrode:	INTELLICAL ("Plug & Play" digital), analogue, photocalorimetric; 2 inputs available
Embedded procedures:	Tubing bubble purging, reagent priming, burette and pump replacement
Installation category:	Category II
Languages user interface:	English, German, French, Italian, Spanish
Maintenance scheduler:	Yes, user defined
Material:	Latene (PP), silicone, hardened glass, POM, stainless steel
Measurement method:	Potentiometric (zero & imposed current), amperometric, colorimetric
Measurements:	mV/pH, Conductivity, Temperature (°C or °F)
Model:	AT1102
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)
Output:	Electrode ports (x2), USB (x2), Serial (x1), Ethernet (x1)
Parameter:	mV/pH, Conductivity, Temperature
Password Protection:	Yes, user defined protected elements
Pollution degree:	2
Power requirements (Hz):	50/60 Hz
Power requirements (Voltage):	100/240 V AC
Pump flow rate:	100 mL/min
Pumps:	0
Required Application Package/s:	AP0001.AT1102
	AP0002.AT1102
	AP0006.AT1102
	AP0008.AT1102
	AP0015.AT1102
	AP0016.AT1102
Resolution:	Conductivity: ±0,5% of reading
Sample stand:	Integrated, magnetic stirring, beakers up to 250 mL
Storage conditions:	-5 - 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:	24 months
Weight:	4 kg
What's included?:	1 ea. AT1102-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. AT1102-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 Water: pH & Alkalinity (Item AP0001.AT1102)
- Titration Application Pack Water: pH, Alkalinity & Conductivity (Item AP0002.AT1102)
- Titration Application Pack Food & Beverage: pH & Total Acidity (Milk, Tomato Sauce, Fruit Juice) (Item AP0008.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)
- Titration Application Pack Beverage: pH, Total Acidity in Beer, Kombucha, Soft Drink/Juice/Energy Drink Bottlers, Single 25 mL (Item AP0025.AT1102)