Titralab AT1000 Series Automatic Titrators

Simply add your sample, press the button and read your titration results

Titration can be easy. The TitraLab AT1000 from Hach uses pre-set functions that eliminate complex programming and provide accurate results.

The Karl Fischer version TitraLab KF1000 requires only small sample quantities to deliver accurate and precise results for water content applications.

Accurate and Reliable Titration Results
Easy to Use for all Operators
Low Cost of Ownership
Improves Lab Safety
Low Maintenance

Learn More

Technical Data*

Titration Types	Potentiometric (zero & imposed current), amperometric, colorimetric	**Calibration Curves Display**	Direct & derivative titration curves, electrode calibration curve
Titration Modes	Sample, blank, sample with blank, QC sample, QC sample with blank	**Supported Peripherals**	Printer, PC software, balance, sample changer, keyboard, mouse, barcode reader, sampling pump, propeller stirrer
Parameter	mV/pH, Conductivity, Temperature	**Data Storage**	Date, Time, Operator IDs, Sample IDs
Resolution	mV/pH: ±0.1 mV / ±0.001 pH Conductivity: ±0.5% of reading Temperature: ±0.3 °C (32.54 °F)	**Maintenance Scheduler**	Yes, user defined
		Embedded Procedures	Tubing bubble purging, reagent priming, burette and pump replacement
Sample Stand	Integrated, magnetic stirring, beakers up to 250 mL	**Password Protection**	Yes, user defined
		Languages	English, German, French, Italian, Spanish
Electrode	IntelliCAL ("Plug & Play" digital), analog, photocolorimetric; 2 Inputs available	**Dimensions (H x W x D)**	220 x 400 x 360 mm (8.66 x 15.75 x 14.17 in.)
		Weight	4 kg (8.82 lbs)
Burette: Volumes Available	2.5/5/10/25 mL, ISO8655-3	**Material Enclosures**	PP Latene, silicone, hardened glass, POM, stainless steel. Splashproof design.
Burette Motor Resolution	20,000 steps with electronic µstepping technology (128 µsteps/step)	**Power Requirements (Voltage)**	100/240 VAC
Calibration	Titrant & electrode (up to 5 buffers in Auto Mode, fixed & user defined)	**Power Requirements (Hz)**	50/60 Hz
Calibration Intervals/Alerts/ Reminder	Yes, user defined period	**Operating Conditions**	15 - 35 °C (59 - 95 °F), 20 - 80% RH, non-condensing
Data Memory	Last 100 samples, QC & blank analyses, last 10 calibrations	**Storage Conditions**	-5 - 40 °C (23 - 104 °F)
Data Export	On USB flash drive, CSV format, Excel compatible	**Certifications**	Safety IEC/EN 61010-1; EMC IEC/EN 61326-1
Operating Interface	Soft keypad (Silicone)		
Display Type	5,7"; Graphic color; VGA		

Subject to change without notice.

Order Information

Instruments

AT1102.97	AT1000 Potentiometric Titrator with 1 Burette - Model AT1102
AT1112.97	AT1000 Potentiometric Titrator with 1 Burette and 1 Pump - Model AT1112
AT1122.97	AT1000 Potentiometric Titrator with 1 Burette and 2 Pumps - Model AT1122
AT1222.97	AT1000 Potentiometric Titrator with 2 Burettes and 2 Pumps - Model AT1222
KF1121.97	KF1000 Volumetric Titrator for Karl Fischer Titrations with 1 Burette and 2 Pumps

Optional Accessories

AS1000.97.12150	Titralab AS1000 Series Sample Changer, 12 Positions, 50 & 150 mL Beakers
AS1000.97.20090	Titralab AS1000 Series Sample Changer, 20 Positions, 90 mL Beakers
AS1000.97.30050	Titralab AS1000 Series Sample Changer, 30 Positions, 50 mL Beakers
LQV161.99.10000	DPU-S445 USB Thermal printer kit
LZE127	Titramaster 1000 Series, PC software with Ethernet cable
LZE142	External Pump (sample leveling) Complete, for AT1000 Series Titrator
LZE143	Propeller stirrer, 80 mm shaft, for AT Titrator

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