

# Titration

## 1 2 3 4 Titration, Hach Lange AT1000 series



AT1102



AT1122



AT1222

pH

Acidity

SO<sub>2</sub>

The TITRALAB AT1000 HACH LANGE system uses pre-set features, eliminating the need for complex programming and providing accurate results. Reliable results with titration. Simple titration configuration.

**Applications:**

- Drinking water
- Waste water
- Food and drink
- Petrochemical industry

**IMPORTANT!**

It is necessary to match the titrator with the appropriate kit (pH acidity or free and total SO<sub>2</sub>), depending on the analysis to be carried out.

The sampler plate (called "Sampler") is optional.

Description	PK	Cat. No.
model AT1102, including: 1 syringe for pH and Total Acidity	1	AT1102.98
model AT1122, including: 1 syringe and 2 pumps for Free, Total & Combined SO <sub>2</sub>	1	AT1122.98
model AT1222, including: 2 syringes and 2 pumps for Free, Total & Combined SO <sub>2</sub> , pH and Total Acidity	1	AT1222.98
Sampler TitrLab, 20 beakers x 90 ml, complete with software	1	AS1000.98.20
Kit pH & Total Acidity in food and wine	1	39987209/B
Kit Free & Total SO <sub>2</sub> in food and wine	1	39987211/B

✓ REDUCED TIMING FOR ANALYSIS, THANKS TO FREE AND COMBINED SO<sub>2</sub> SETTINGS

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✓ SHAKING FROM ABOVE, THROUGH SCOOP

✓ SHAKING FROM BELOW, THROUGH MAGNETIC BAR

✓ USER-FRIENDLY SOFTWARE

✓ AUTOMATIC AUTO-LEVELLING

✓ 20 SAMPLE POSITIONS

✓ L.I.S. CONTINUOUS EXIT FOR ANALYSIS RESULTS



## Accessories for AT1000 titrators

Description	PK	Cat. No.
DPU-S445 USB: Kit including printer and thermal paper	1	39987000
THERMAL PAPER for printer 8201 (rolls)	5	3126119
TITRAMASTER 1000, PC software with Ethernet cable	1	39987002
External PUMP (sample auto-level)	1	39987197
Motor STIRRER, with 70 mm shaft	1	39987003
Adjustable BRACKET SLAP100 for Laptop. Made in steel.	1	E003299
Waterproof KEYBOARD	1	E003306
USB MOUSE with cable and HPX900 optical sensor	1	E002985
PROBE HOLDER for two probes in sampler AS1000	1	E000356
Temperature glass COMPENSATOR (C.A.T.) Pt1000, for immersion	1	G00397

## Spare parts for AT1000 titrator

Description	PK	Cat. No.
10 ml glass syringe (LZE102)	1	39987004
O-ring for 10 ml glass syringe (LZE106)	1	39987005
Kit beakers, 150 ml (LZE109)	10	39987006
Kit beakers, 50 ml (LZE108)	10	39987007
Kit tubes (2x) for syringe (suction and outlet) (LZE114)	1	39987008
Kit tubes (2x) for pump (suction and outlet) (LZE115)	1	39987009
Cap for bottle (GL25) (LZE116)	1	39987010
Cap for bottle (GL45) (LZE117)	1	39987011
Drying tube with cotton (LZE120)	1	39987012
Conical NS 14/23 transparent adapter, electrode holder (LZE122)	1	39987013
Teflon stirring bar 20x6 (LZE136)	5	39987014
4-position tube support (LZE141)	1	39987015
2x tube adapter (LZE124)	1	39987016
Spare box for pump (LZE125)	1	39987017
USB key for food and drink applications (LZE131)	1	39987018
Complete kit for 10 ml syringe (LZE137)	1	39987019
Power supply (cable not included) (LZE144)	1	39987020
RS-232 adapter cable (LZE145)	1	39987021
Protection cover for syringe (LZE156)	1	39987022
Electrovalve connector and block (LZE165)	1	39987023
Beakers 90 ml in PP, 20 pcs (LZE194)	1	39987032
Peristaltic pump assembly "Neop", Int 2 mm, Capacity 70 ml/min	1	3126122

## Electrodes for AT1000

Description	PK	Cat. No.
Pt-Pt electrode. 1mt cable	1	39987024
Ph glass electrode, Red Rod in Kcl and PTFE ring	1	39987025
Adapter for previous models	1	39987026

## Density meter ALM-155



- ✓ High precision oscillating capillary density meter, for analysis of density in wines and musts on samples as it is and for alcohol, after sample distillation.
- ✓ Top level precision and reliability. Very user-friendly, quick and easy to clean.
- ✓ Calibration with air and water.

**KEM**  
**KYOTO ELECTRONICS**  
 MANUFACTURING CO.,LTD.

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