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

1

AT1102

2

AT1122

3

AT1222

pH

Acidity

$SO_2$

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 $SO_2$), 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 $SO_2$ | 1 | AT1122.98 |
| model AT1222, including: 2 syringes and 2 pumps for Free, Total & Combined $SO_2$, pH and Total Acidity | 1 | AT1222.98 |
| Sampler TitraLab, 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 $SO_2$ in food and wine | 1 | 39987211/B |

✔ REDUCED TIMING FOR ANALYSIS, THANKS TO FREE AND COMBINED $SO_2$ SETTINGS

4

✔ 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



ALTERNATIVE ITEMS AVAILABLE ON REQUEST: PLS.ASK US!

## 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

EXACTA Wine & Beverage

- 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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