

Titrateable Total Acidity Mini Titrator for Wine Analysis

- Compact unit
- Results in minutes
- Simple to operate

The HI 84102 is a low cost, easy to use, microprocessor-based automatic titrator that features a simple and yet accurate peristaltic pump to ensure the best accuracy and repeatability. By performing pump calibration with the provided HANNA standards, instrument accuracy is assured. The HI 84102 includes a preprogrammed analysis method designed for Total Titrateable Acidity measurements on wine.

The instrument has a powerful and effective built-in algorithm to analyze the shape of the pH electrode response and to determine the reaction completion. The HI 84102 performs automatic analysis by performing all the necessary calculations. By simply pressing the START/STOP button, the instrument will automatically make the titration up to the end point. The result is immediately displayed in convenient units, then the instrument is ready for another titration.

ORDERING INFORMATION

HI 84102-01 (115V) and **HI 84102-02** (230V) are supplied with HI 1048B pH electrode, HI 7662-T temperature probe, reagent set for 20 titrations, 2000 μ L automatic pipette, plastic tips for 2000 μ L automatic pipette (2), 50 mL beakers (2), tube set with cap, stir bar, refill solution (30 mL), 1 mL syringe, wine deposits cleaning solution sachets (2), wine stain cleaning solution sachets (2), power cable and instruction manual.

ELECTRODES

HI 1048B	Glass body pH Electrode with CPS™ technology, BNC connector and 1 m (3.3') cable
HI 7662-T	Temperature Probe

SOLUTIONS

HI 70300L	Electrode storage solution, 500 mL
HI 70635	Cleaning solution for wine deposits, 500 mL
HI 70636	Cleaning solution for wine stains, 500 mL
HI 731312	Red wine decolorization kit (25 pcs)
HI 84102-50	Titrant solution, 100 mL
HI 84102-55	Calibration standard, 100 mL
HI 84102-60	Buffer solution 1, pH 7.00, 500 mL
HI 84102-61	Buffer solution 2, pH 8.20, 500 mL

ACCESSORIES

HI 70483T	Complete tubing kit with cap for titrant bottle and tip
HI 731316	Stir bar (5)
HI 731342	Automatic pipette 2000 μ L
HI 731352	2000 μ L automatic pipette tips (4)
HI 740036P	Beaker 50 mL (10)



SPECIFICATIONS	HI 84102
Range	0.0 to 25.0 g/L (ppt) of tartaric acid
Resolution	0.1 g/L (ppt)
Accuracy (@25°C/77°F)	5% of reading
Method	acid-base titration method
Principle	endpoint titration
pH Calibration	one point in selected endpoint: 7.00 pH or 8.20 pH
Sample Volume	2 mL
Temperature Compensation	automatic from 0.0 to 100.0°C
pH Electrode	HI 1048B glass body pH electrode with CPS™ technology, BNC connector and 1 m (3.3') cable (included)
Temperature Probe	HI 7662-T stainless steel temperature probe with 1 m (3.3') cable (included)
Pump Dosing	0.5 mL/min
Environment	0 to 50°C (32 to 122°F); RH max 95% non-condensing
Power Supply	115V/230 VAC; 50-60Hz; 10VA
Dimensions	208 x 214 x 163 mm (8.2 x 8.4 x 6.4") (with beaker)
Weight	2200 g (77.6 oz.)