

DS Titra

Determination of pH, total acidity and volatile acidity after extraction

DS Titra is an instrument conceived to determine the pH, and to measure total acidity directly, or volatile acidity after extraction. It avoids the difficult estimation of the colored turn at the end of the titration, and thus gives optimal accuracy and reproducibility of the results.

Principle :

With a pH electrode, the DS Titra does the titration and stops automatically when the final point is reached.

The instrument calculates the result according to the selected program (pH, total acidity or volatile acidity) and displays it immediately on the screen.

Advantages

- Direct display of the result on LCD screen
- Quick and easy-to-use
- Ergonomic and aesthetic design
- Functions «customized» and «manual» titration
- Excellent repeatability
- Automatic titration with a syringe pump activated by a stepper

Specific features

- Linear guidance of the support of the agitator and the probe
- Magnetic stirrer
- Auto-zeroing of the syringe between 2 analysis
- Automatic temperature compensation
- Integrated clock (date and hour)

Method



» Preparation of the sample and setting up on the tray



» Selection of the titration mode :
- pH
- Total acidity
- Volatile acidity
- Customized titration



» Activation of agitation and automatic titration



» Direct reading on the screen of pH or acidity in g/L of H₂SO₄



Ref. 115570

DS Titra (Réf.115570)	
Type of sample	Wines, lees for distillations, fruit juices, alcoholic drinks...
Programmes	pH, Total acidity, Volatile acidity (after extraction), customized titration, manual titration
Scales	pH : 0-14 total acidity : 0-15 g/l in tartaric acid C ₄ H ₆ O ₆ and volatile acidity (in sulfuric acid, or tartaric/acetic acid)
Resolution	pH : 0,01 Temperature : 0,1°C Acidity: 0,01 g/L of C ₄ H ₆ O ₆
Precision	pH : ± 0,01 Temperature : ± 0,1°C Acidity : ± 0,01 g/L of C ₄ H ₆ O ₆
Capacity of syringe	20 ml
Precision of syringe	16 µl per injection
pH electrode	BNC type
Calibration	In 2 points with buffer solutions choice
Temperature probe	NTC type
Valve	Double pinch valve
Keyboard	5 keys
Screen	LCD with backlighting
Languages	French, English, Spanish, Italian, German
Input/Output	USB (to download data on PC and upload upgrade of the software)
Dimensions and weight	24 x 35 x 40 cm- 4 kg
Power supply	110-220V- 50/60 Hz
Adapter	15 V

Accessories

- Titration products
- Buffer solution
- Glassware and accessories for the analysis

Developed and manufactured in France



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