



## Automatic distillation & titration system 220-240V 50/60Hz 1ph

Code: 525-380/01

Product Group: Kjeldahl apparatus

This is a fully automatic distillation and titration system, with microprocessor control and dialogue friendly software. The complete sequence of distillation, titration and calculation can be performed without intervention. This means a fast and accurate assay can be made with minimum supervision.

The system has 4 main programme modes for fully automated Kjeldahl determinations:

- Weight mode
    - Sample weight, memory for 220 samples.
    - Entry in g or ml.
    - Data entry by keyboard or RS232C interface directly from a balance.
  - Sample mode
    - 9 selectable programmes for micro/macro Kjeldahl distillations, direct distillations and nitrate analysis.
    - Electronic control of distillation and titration by the microprocessor with display reading of the programme steps or error codes, with calculation of results.
  - Calibration mode
    - Automatic calibration of pH electrode.
    - Automatic blank analysis for each of the 9 distillation programmes.
    - Automatic determination of the blank value of each of the distillation programmes.
    - Automatic analysis of a standard with recovery calculation.
  - Programme mode
    - Data entry for each of the 9 distillation programmes.
    - Data entry for the titration programmes.
    - For each of the 9 distillation programmes there are programmable titration and burette steps. The pH endpoint titration system uses a motor-burette with an interchangeable 25 ml syringe to 0.01 ml accuracy.
- The software is flexible and the following types of data can be programmed into the system. For example:
- Sample weight entry.
  - Fixed or automatic distillation time.
  - pH endpoint for automatic or fixed titration.
  - Volume of H<sub>2</sub>O.
  - Volume of NaOH.
  - Time of suction sample.
  - Result calculation.

- Filling and emptying of receiver vessel.

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## Further Information

With titrator and calculator. Microprocessor controlled ready for full operation. With instruction manual. For 220-240 V, 50/60 Hz, 1 ph.