

## DW-ATN-300 Automatic Azotometer

Our company's DW-ATN-300 automatic azotometer (protein determinator) is designed in accordance with the Kjeldahl method, mainly for assaying the content of ammonia nitrogen, protein nitrogen in cereals, food, dairy products, beverages, feed, soil, water, medicine, sediment and chemicals. The determination conforms to national standard, AOAC, ISO, etc.

### Features

1. For solution setting, volume of boric acid solution, the amount of alkali and distillation time can be set up at random
2. 20 groups of experimental procedures can be stored to meet user's various requirements
3. Perfect protection system: remind when digestion tube is not in place, protect steamer furnace from being overheated or over-voltage; alarm when distillation is finished
4. Manual and auto, two modes for customer to shift

### Technical Parameters

1. Materials: cereals, food, daily products, beverages, feed, soil, water, medicine, sediment and chemicals;
2. Range: 0.1mgN ~240mgN ( nitrogen content 0.02% ~95%);
3. Sample quantity: solid  $\leq 5\text{g/unit}$ , liquid  $\leq 15\text{ml/unit}$
4. Recovery:  $\geq 99.5\%$ ;
5. Repeatability:  $\leq \pm 1\%$ ;
6. Distillation rate: 3~ 7 min/sample;
7. Cooling water consumption: 1L~2L/min;
8. Power: 220V 50Hz;
9. Power rating: 1600W;
10. External dimension: 10.775 $\times$ 380 $\times$ 330mm;
11. Weight: 28kg



### Optional digestion furnace for DW-ATN-300 automatic azotometer

DW-KDN-D series digital-display temperature-controllable digestion furnace have models of 4 holes, 8 holes, 12 holes and 20 holes for user to choose, depending on their detection amount. SO<sub>2</sub> and other poisonous gas escaping from digestion furnace will be discharged by relevant waste gas absorption system, guaranteeing the safety and cleanness of your lab.

| Name   | Model      | Specification    |
|--|------------|------------------|
| Digital-display temperature-controllable digestion furnace | DW-KDN-04D | 4 samples/batch  |
|  | DW-KDN-08D | 8 samples/batch  |
|  | DW-KDN-12D | 12 samples/batch |
|  | DW-KDN-20D | 20 samples/batch |