



ATN-100 Semi-automatic Azotometer

ATN-100 semi-automatic azotometer (protein determinator) is designed by our company 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.

◆ Main Features

- cover is made of specific powder-coated steel plate, resist chemical reagents and mechanical erosion
- simple structure, button control, easy to operate
- optimized internal configuration, convenient to install and maintain
- touch buttons to add distilled water, alkali, and vapor-controlled, no need to contact with reagent
- short distillation duration, work efficiency enhanced

◆ Technical parameters

- materials: cereals, food, dairy products, beverages, feed, soil, water, medicine, sediment and chemicals;
- range: 0.1mgN ~ 240mgN (nitrogen content 0.02% ~ 95%);
- sample quantity: solid \leq 5g/unit, liquid \leq 15ml/unit;
- recovery: \geq 99.5%;
- repeatability: \leq \pm 1%;
- distillation rate: 3~7 min/sample;
- cooling water consumption: 2L/min;
- power: 220V 50Hz
- power rating: 2000W
- external dimension: 775×380×335mm
- weight: 26kg

◆ optional digestion furnace for ATN-300 automatic azotometer

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. SO₂ 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	KDN-04D	4 samples/batch
	KDN-08D	8 samples/batch
	KDN-12D	12 samples/batch
	KDN-20D	20 samples/batch

