



Pelilab Scientific Private Limited

COD DIGESTION SYSTEM

NITROPLUS – 15CT

The NITROPLUS – 15CT COD Digestion System is designed for accurate and efficient chemical oxygen demand (COD) analysis in water and wastewater testing. Built with a touchscreen controller, PID-based heating, and durable construction, it provides safe and reproducible results for up to 15 samples simultaneously.

Ideal for environmental labs, research institutes, industries, and quality control facilities, it combines pure precision, reliability, and user-friendly operation.

Key Benefits:

- ✓ Capacity: 15 tubes (36 × 200 mm, 150 ml each)
- ✓ 4.3" TFT touchscreen with PID controller
- ✓ Temperature range: 50°C – 300°C (±1%)
- ✓ Casted aluminium alloy heater, 2500 W



TECHNICAL SPECIFICATIONS :

- Samples: 15 tubes (36 × 200 mm, 150 ml, glass with ground joint)
- Reflux Condenser: 640 mm air condenser with ground joint
- Heating Block: Extruded aluminium block, 90 mm well depth, ceramic wool insulation
- Heater: Casted aluminium alloy, 2500 W
- Controller: 4.3" TFT touchscreen with PID control
- Temperature Range: 50°C – 300°C (±1%)
- Sensor: K-type thermocouple
- Programmable: 5 programs × 5 steps (time & temperature)
- Safety: Over-voltage protection with circuit breaker
- Construction: MS housing with powder-coated finish
- Electrical: 230V / 50Hz / 10A
- Stainless steel insert rack for COD tubes
- MS rack for air condensers
- MS rack with slots for reagent handling in water

APPLICATIONS:

- Environmental testing laboratories
- Wastewater treatment facilities
- Research Institutes & Universities
- Industrial quality control labs (Textile, Chemical, Food, Pharma)



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