



Model COOL-300



Model COOL-150



Features

Both models are designed for BOD determination.

- PID controller with auto-tuning to ensure rapid heating and minimum temperature fluctuation and overshoot.
- Push-button operation and LED screen displays both the set and actual temperature values digitally to $\pm 0.1^{\circ}\text{C}$
- Locking function of set temperature values.
- Auto-diagnostic system integrated in the controller ensures rapid identification and correction if any fault does occur.
- Off-set function for calibration use. Important for ISO/Calibration requirements.
- Back-up system memory protects the set point values in case of power failure.
- Environment-friendly CFC-free refrigeration system.
- Dual-pane heated glass door provides for full-view of test samples.
(for Model COOL-300 Only)

Applications

- Microbiological testing
- BOD tests
- Tissue culture
- Milk testing
- Shelf-life testing
- Product storage requirements
- Plant growth / germination studies

Specifications

MODEL	COOL-150	COOL-300
Type	Floor-standing, single-door	Floor-standing, single-door
Capacity	100 litres	300 litres
Cabinet construction	Powder-coated mild steel exterior and interior	
Working temperature range	5°C to 60°C	
Controller	PID controller	
Temperature accuracy	$\pm 0.1^{\circ}\text{C}$	
Temp. setting and display	Digital, display up to 0.1°C	
Thermo sensor	PT-100	
Air circulation	Aided by circulation fan	
Heater	800 watt	
Compressor	Hermetic-seal type	
Defrost	With auto-defrost and time delay protector	
Refrigerant	R134a, CFC free	
Safety features	Over-temperature protection, circuit breaker	Over-temperature protection, circuit breaker, high-low pressure switches.
Door type	Solid door with fan switch which stops circulation fan when door is opened.	Dual-pane heated glass door with fan switch which stops circulation fan when door is opened. Supplied with door lock as standard.
Viewing lamp	Included	
No. of shelves supplied	3 units	4 units
Shelf dimensions (mm)	455W x 275D x 10H	480W x 450D x 10H
Interior dimensions (mm)	470W x 400D x 800H	500W x 595D x 1105H
Exterior dimensions (mm)	540W x 580D x 1460H	587W x 720D x 1720H
Electrical	220-240 VAC, 50 Hz, 4.9 A	220-240 VAC, 50 Hz, 6.4 A
Weight	45 kg	88 kg

All specifications are subject to change without prior notice.