

Specifications for Anaerobic Oven

Product name		Anaerobic oven
Model		HT320N
Circulation method		Forced convection system
Performance	Temperature range	(Ambient temperature +40°C) ~ +250°C
	Temperature uniformity	±3.5°C at +250°C
	Temperature heat-up rate	Within 60 minutes (Room temperature → +250°C)
	Control method	Microcomputer controlled temperature controller (ETACOM) / PID control method
	Remaining concentration of oxygen	Less than 100ppm
	Setting / display accuracy	0.5% (F.S) ±1°C/digit
Controller	Setting / display resolution	1°C
	Sensor	Thermocouple JIS K
	External material	Cold rolled and rust-proof steel plate with baked finish
Body	Internal material	SUS304 stainless steel plate with all welding structure
	Thermal insulation materials	Glass wool
Thermal heater		Sheathed heater
Ventilator		Single phase electronic device AC200V
Fan		Propeller fan
N ₂ opening		3 / 8 B socket
N ₂ exhaust		3 / 4 B hose nipple
N ₂ pressure meter		6kg f / cm ² Attached pressure adjustable valve
N ₂ flow meter		0~50 liter / min
Cooling system		Forced air-cooling system (Upon completing operation)
Protection devices		Leakage breaker for power supply, Overheat protector (Built-in controller), Overheat protector in separate circuit, Fan motor thermal protector, Recovery prevention from power failure, Keeping function prevention with instant power failure, Warning alarm, Lower temperature limit alarm, Warning message display, Overheat (Setting temperature +10°C) alarm, Door opening function, Diagnosis function (CPU warning, Sensor snapping, Heater snapping, Unusual surrounding temperature), Control circuit and heater circuit protector
Additional functions		Memory back-up function (Approx. 5 years), Auto-start feature, Auto-stop feature, Program operation function (20 steps × 3 patterns), Keep final step operation function
Option		N ₂ flow meter with alarm, Primary regulator, Concentration tester of oxygen (% level), Concentration tester of oxygen (ppm level), Detection of unusual pressure, Cooling fan with time signal, Warning buzzer for test completion, Warning buzzer, Flashing warning light, Flashing warning light with buzzer, Calendar timer, Hour meter, Shelving, Load durable shelf, Angled scaffolding with caster, Power failure automatic recovery function, Output for completing test, Designating color for main machine, RS485 interface, Programming function, Remote function, Time indicator, Wait function, Temperature indicator, Power source cable, 3.5mm ² 4 core cable (3m, 5m, 10m)
Accessories		Operation manual, Alarm terminal, 2 shelves, 4 shelf supports
External dimensions (mm)		W1350 × H1645 × D905
Internal dimensions (mm)		W600 × H 600 × D600
Power supply		AC200V 3 phase 50 / 60Hz fluctuation for voltage less than ±10%
Full load current (A)		13
Capacity (Liter)		216
Weight (kg)		160

*The displayed performance is at ambient temperature of +20°C and when there are no test specimens in the chamber.

*These specifications may be changed without notice for improvement or modification.