

Penguin DH

Direct Heat - CO₂/ Tri-Gas Incubator



Control



CO₂ Incubator



Tri-Gas Incubator

Personal Incubation

Secure, promised environment for specimen.

Precise Temperature Control

Exceptionally stable and accurate temperature control.

Automatic Maintenance

Automatic ZERO calibration of CO₂ concentration.

Dependable

Protected by various alarms for any deviation of the environment in chamber.

User Friendly

All the interiors can be removed without using any tools.
Every rounded corner helps thorough and easier cleaning.



Options



Gas Analyzer
AGA-2008

Gas concentration analyzer, measures both CO₂ and O₂ concentration in one single sampling. Battery rechargeable. CE Marked

Size (mm): W150 x D280 x H187
Wgt: 4.5kg / 9.9 lb
AC100V~230V / 1A



Shelf Doors
AP-100A

Independent inner door kit.

AP-100A (for SCA / SMA-30)
285mm x 95mm / 2 doors/kit



Air Filter Kit
IF-30A

Optional, in-chamber Air filter.

Pore size: 0.3µm
Replacement Filter: IF-15



Base Stand
AP30STD

Solid base stand with casters.

AP30STD (for SCA / SMA-30)
Size (mm): a) 560 x b) 440 x c) 900 x d) 345 x e) 530



Regulator
IM-055

Double-phase gas pressure regulator.

1st stage scale: 0~25Mpa
2nd stage scale: 0~0.3Mpa



Door Counter
OCC-30D

Counts the frequency of door openings. Analog output and alarm standard.

Size (mm): W30 x D65 x H35



Gas Guard System
GS-701

Used with 2 gas supply cylinders. Switches from one cylinder to another automatically when the first cylinder gets empty.

Size (mm): W210 x D390 x H94
Wgt: 4.5kg / 9.9 lb



Specification

Model	SCA-30D	SCA-30DR	SMA-30D	SMA-30DR
Exterior Dimension (mm/inch)		W415 x D410 x H510 / 16.3 x 16.1 x 20.1		
Inner Chamber Dimension (mm/inch)		W310 x D295 x H 330 / 12.2 x 11.6 x 13.0		
Capacity		30 Liters / 1.06 ft3		
Inner Chamber		SUS304		
Inner Door		Tempered Glass / 5mm		
Shelf Size (mm/inch)		W252 x D252 x H8 / 9.9 x 9.9 x 0.3		
Number of Shelves		2 Shelves Standard, 4 Shelves Max		
Temperature Control		PID Control		
Temperature Range		Ambient +5°C ~ 50.0°C		
Temp Control Accuracy		±0.1°C		
Temp Uniformity		±0.3		
CO ₂ Sensor type	T/C	IR	T/C	IR
CO ₂ Control Range		0 % ~ 20.0%		
CO ₂ Control Accuracy		±0.1%		
O ₂ Sensor	—		Galvanic Battery, ON-Off Control	
O ₂ Control Range	—		1.0 % ~ 89.0 % ※1	
O ₂ Control Accuracy	—		±0.5 %	
Humidity		95% ±4RH		
Humidity System		Natural Evaporation		
Airflow in Chamber		Convection with a fan		
Safety functions (Software Control)		Safety Cut-off at 38 °C		
Alarm Contact		Temperature, CO ₂ , O ₂		
Options		Air Dust Filter, Shelf Doors		
Weight		30Kg / 66lb		
Power		AC100V-230V 50Hz/60Hz		

The specification may change without prior notice. The above specifications are based on the following configuration. Temperature: 37°C
CO₂: 5.0% O₂: 5.0% ※1 O₂ concentration from 18.0%~22% may not be uncontrollable due to various conditions.



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※Specification is subjected to change without notice