

# INCUBATOR

IC - 103C/103CW/403CR/603CR/803C

IN - 604/804

## Overview

Yamato incubators accurately control the temperature and humidity conditions in which microbiological cultures and samples can be maintained. The IC and IN series include a variety of sizes to fit your specific needs, whether it is for a classroom experiment or state of the art pharmaceutical laboratory. The innovative design of a dual door system allows you to view the samples without disrupting the chamber conditions.

## Advantages

- Observation glass door
- Variety of sizes
- Communication port comes standard with IC - X03CR models

## Applications

- Microbiology
- Fermentation
- Biochemical studies
- Bacteriology
- Hematological studies
- USDA Microbiology Guidebook procedures
- Crystallization studies
- Salmonella within Food Processing Quality Control procedures

## Details

### IC

This series includes desktop incubators that are space saving. The operation is panel installed at a higher position and allows the user to operate with ease and comfort.

### IN

These programmable low temperature incubation chambers can be used for a wide variety of applications, such as storage of culture media, serum, and medicine, as well as for cultivation of microorganisms, and incubation to environmental testing. Glass inner doors minimize temperature change when inspecting samples.



IC - 101

IC - 101W

## Which model is best for your needs?

IC

Higher max temperature  
Variety of sizes

IN

Lower max temperature  
Larger Capacity

# Technical Specifications

MODEL		IC - 103C / IC - 103CW	IC - 403CW / IC - 403CWR	IC - 603C / IC - 603CR	IC - 803C / IC - 803CR
<b>Performance</b>	Circulation Method	- - - - - Gravity convection by air jacket - - - - -			
	Temperature Range	- - - - - Room temperature +5° - 80° C - - - - -			
	Temperature Control Accuracy	- - - - - ± .5° C @ 37° C - - - - -			
	Temperature Distribution Accuracy	- - - - - ± 1.0° C @ 37° C - - - - -			
<b>Structure</b>	Temperature Controller	- - - - - PID controlled by micro processor - - - - -			
	Observation	- - - - - Inner glass door for sample observation - - - - -			
	Programmable Controller	N/A	IC - 403CWR	IC - 603CR	IC-803CR
	Safety Devices	Self diagnostic function, independent overheat prevention, and key lock			
<b>Standard</b>	External Dimensions	430 x 397 x 600 mm or 16.9 x 15.6 x 23.6 in	560 x 606 x 820 mm or 22.1 x 23.9 x 32.3 in	710 x 656 x 870 mm or 28 x 25.8 x 34.3 in	710 x 656 x 1619 mm or 28 x 25.8 x 63.7 in
	Chamber Dimensions	350 x 300 x 360 mm or 13.8 x 11.8 x 14.2 in	450 x 480 x 450 mm or 17.7 x 18.9 x 17.7 in	600 x 530 x 500 mm or 23.6 x 20.9 x 19.7 in	600 x 530 x 1000 mm or 23.6 x 20.9 x 39.4 in
	Chamber Capacity	37 ℓ or 1.3 ft <sup>3</sup>	97 ℓ or 3.4 ft <sup>3</sup>	150 ℓ or 5.3 ft <sup>3</sup>	318 ℓ 11.2 ft <sup>3</sup>
	Weight	17 kg or 37.5 lbs	45 kg or 99.2 lbs	65 kg or 143.3 lbs	102 kg or 224.9 lbs
	Power Supply - AC 115 V	1.8 Amps	2.8 Amps	3.7 Amps	6.6 Amps
<b>Included Accessories</b>	Communication Port	N/A	Model No. IC - 403CWR	Model No. IC - 603CR	Model No. IC - 803CR
	Observation Window	Model No. IC - 103CW	Model No. IC - 403CW/CWR	N/A	N/A
	Shelves	2 pcs	2 pcs	2 pcs	4 pcs
	Shelf Brackets	4 pcs	4 pcs	4 pcs	8 pcs
<b>Optional Accessories</b>	Stand	Part No. 211856	Part No. 211856	Part No. 211856	N/A
	Shelf and Brackets	Part No. 211192	Part No. 212246	Part No. Dn-63-903	Part No. Dn-63-903
	Communication Terminal	R5232ODK19	R5232ODK19	R5232ODK19	R5232ODK19
	Temperature Output Terminal	ODK -12	ODK -12	ODK -12	ODK -12
	Communication Converter	R52232ODK18	R52232ODK18	R52232ODK18	R52232ODK18

MODEL		IN - 604	IN - 804
<b>Performance</b>	Circulation Method	Mechanical convection	
	Temperature Range	-10° - 50° C	
	Temperature Control Accuracy	± .3° C / ± .5° C when refrigerator is in constant operation	
<b>Structure</b>	Temperature Controller	PID controlled by micro processor	
	Observation	Inner glass door for sample observation	
	Programmable Controller	Programmable with 32 step	
	Safety Devices	Self diagnostic function, independent overheat prevention, and key lock	
<b>Standard</b>	External Dimensions	710 x 654 x 913 mm or 28 x 25.4 x 36 in	710 x 645 x 1630 mm or 28 x 25.4 x 64.2 in
	Chamber Dimensions	600 x 477 x 500 mm or 23.6 x 18.8 x 19.7 in	600 x 477 x 1000 mm or 23.6 x 18.8 x 39.4 in
	Chamber Capacity	143 ℓ	286 ℓ
	Weight	93 kg or 205 lbs	120 kg or 264.6 lbs
	Power Supply - AC 115 V	8.7 Amps	10.5 Amps
<b>Included Accessories</b>	Shelves	3 pcs	5 pcs
	Shelf Brackets	6 pcs	10 pcs
<b>Optional Accessories</b>	Shelf and Brackets	Part No. 211221	Part No. 211221



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