

# Products for Industry

Scientific and Industrial equipment Incubator

Incubator (Natural Convection,  
Air Jacket)

IS401

Item Code : 212551  
Model : IS401

Page Top	Product Summary	Specifications	Optional items	Same series products
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IS401, IS601

## Incubator (Natural Convection, Air Jacket) (IS401)

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### Product Summary

Incubators of natural convection by air-jacket, equipped with various functions

#### Features of Incubator (Natural Convection, Air Jacket) (IS401)

**Air Jacket and Natural Convection Incubator**

Air Jacket and Natural Convection, Fix temperature opration, Quick auto stop, Auto stop, Auto start operation are available

**Feature**

3 patterns, 30 steps programming are available

**Feature**

The air-jacket method makes it possible to obtain uniform temperature distribution

**Feature**

Sample can be observed through the inner door

**Feature**

Equipped with self-diagnosis function, a key-lock function and an over-current breaker

Feature

Possible to place the models IS401/601 in piles, one over the other

Feature

Various expanded function due to external communication function, temperature output terminal

Feature

The operation before power failure can be resumed

Specifications

Specifications

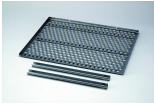
Item Code	212551
Model	IS401
Type	Air Jacket Type, Natural Convection
Temperature Range	Room Temp. +5~80℃
Temp. Adjustment Accuracy	±0.5℃ at 37℃
Temp. Distribution Accuracy	±1.0℃ at 37℃
Interior	Stainless Steel
Exterior	Cold Rolled Steel Plate with Chemical-resistant Coating
Insulation Material	Glass Wool
Heater	Iron-chrome Wire Heater
Exhaust Port	30mm ID x 2 (on the top)
Temp. Setting Method	Digital Setting by ▼▲ Key
Temp. Display	Digital Display by LED
Timer	1 to 99hrs 59min. and 100 to 999 hrs
Program Mode	Program Operation 3 patterns, 30 steps, Pattern Repeat Function
Additional Function	Calibration Offset Function, Key-lock Function, Blackout Recovery Function
Safety Device	Self Diagnostic Function (Automatic Overheat Prevention, Abnormal Temp. Sensor, Heater Disconnection, SSR Short Circuit, Main Relay Error) , Overheat Preventor, Overcurrent ELB, Key-lock Function, Door Key, Adjuster (812/912)
Shelf Loading Capacity	Approx. 15kg/shelf
Shelf support step number/Pitch	Max. 11 steps / 30mm
Shelf/ Support	2 shelves/ 4 supports
Time required to reach 60℃	Approx. 70 min.
Inner Glass Window	Reinforced Glass 5mm t
Temp. Controller	PID control by microprocessor
Min. Timer Division	1min. or 10min.
Operation Function	Fixed Temp., Program Operation, Quick Auto-stop Operation, Auto-stop Operation, Auto-start Operation
Heater Circuit Control	SSR Drive
Temp. Sensor	Pt. Thermal Resistance Pt100Ω (Temp. Adjuster) , K-Thermcouple (Overheat Preventor)

Internal dimensions (W×D×H mm)	450×480×450mm
External dimensions (W×D×H mm)	560×606×820mm
Remarks(dimensions)	97L
Power Source	AC220V 1.5A Single phase
Weight	55kg

Maintenance and warranty

Conditions: temperature and humidity: 23 deg.C+/-5 deg.C, 65%RH+/-20% (no load)  
External dimensions do not include protrusions.

Optional items



Stainless punching metal shelf  
(DNDNFDSSG40)



Cable port (ODK32)



Cable port (ODK34)



Same series products



Incubator (Natural Convection,  
Air Jacket) (IS601)



Incubator (Natural Convection,  
Air Jacket) (IS801)



Incubator (Natural Convection,  
Air Jacket) (IS901)