

Economical Incubator (Natural Convection)

IC103C/113C/403C/413C/603C/613C/803C/813C/903C/913C

| | | | | | | | | | |
|-----------------------|----------------------|-----------------------------|------------------|-------------------|-----------------|-----------------|------------------|------------------|------------------|
| Operating temp. range | Room temp. +5°C~80°C | Temp. distribution accuracy | ±1.0°C (at 37°C) | Internal capacity | 37L IC103C/113C | 97L IC403C/413C | 159L IC603C/613C | 318L IC803C/813C | 567L IC903C/913C |
|-----------------------|----------------------|-----------------------------|------------------|-------------------|-----------------|-----------------|------------------|------------------|------------------|

Benchtop, compact design incubators (IC103C)

General purpose incubators (IC403C/603C/803C/903C)

- Space saving
- All models come with either an observation window (W) for improved visibility or solid door.
- Dual door system permits contents to be viewed easily without disrupting atmosphere of the incubator (except IC-100 series)
- Control panel of IC103C/113C located at a higher position for easy access.
- Easy to use digital setting display and timer
- Air jacket technology ensures even and efficient heat distribution throughout the chamber.
- Standard equipped with various functions such as self-diagnostic, calibration off-set, overheat prevention and key lock.
- Models 400 to 900 have an option for communication port (R)



Specifications

| Model | IC103C IC113C | IC403C IC413C | IC603C IC613C | IC803C IC813C | IC903C IC913C |
|-----------------------------------|--|---------------------------|--------------------------|---------------------------|---------------------------|
| System | Natural convection | | | | |
| Operating temperature range | Room temp. +5~80°C | | | | |
| Temp. control accuracy | ±0.5°C (at 37°C) | | | | |
| Temperature distribution accuracy | ±1.0°C | | | | |
| Interior material | Stainless steel | | | | |
| Exterior material | Cold rolled steel plate with melamine resin baking finish | | | | |
| Heat insulator | Glass fiber | | | | |
| Heater | Stainless steel heating pipe | Iron-chrome wire heater | | | |
| | 0.2kW | 0.3kW | 0.4kW | 0.7kW | 2.2kW |
| Temperature controller | PID control by microprocessor | | | | |
| Temperature setting system | Operation menu key and digital setting by ▲/▼ keys, digital display | | | | |
| Temperature display | Measurement temperature: Digital display by 4 digit green LED Setting temperature: Digital display by 4 digit red LED | | | | |
| Timer | 1 min. ~ 99 hrs 59 mins. and 100~999 hrs 50 mins (Including timer waiting function) | | | | |
| Operation function | Fixed temperature, Auto start, Auto stop, Quick Auto stop | | | | |
| Additional functions | Calibration off-set, Key-lock, Power outage compensation | | | | |
| Safety device | Self diagnostic functions, Temp. sensor error, Display error, Measurement temp. error, Auto overheat prevention | | | | |
| Heater control circuit | SSR drive system | | | | |
| Sensor | K-thermocouple | | | | |
| Internal dimensions (W×D×Hmm) | 350×300×360 | 450×480×450 | 600×530×500 | 600×530×1000 | 1070×530×1000 |
| External dimensions (W×D×Hmm) | 430×397×606 | 560×606×820 | 710×656×870 | 710×656×1619 | 1180×656×1619 |
| Internal capacity | 37L | 97L | 159L | 318L | 567L |
| Inner door | None | Reinforced glass door x 1 | | Reinforced glass door x 2 | |
| Shelf load capacity | Approx. 15 kg/pc. | | | | |
| Shelf rest step number | 8 steps | 9 steps | 12 steps | 29 steps | 29 steps×2 |
| Power supply (50/60 Hz) | AC115V 1.8A AC220V 1A | AC115V 4.5A AC220V 2A | AC115V 6A AC220V 2.5A | AC115V 10A AC220V 3.5A | AC115V 13A AC220V 6.5A |
| Weight | Approx. 17 kg | Approx. 45 kg | Approx. 65 kg | Approx. 102 kg | Approx. 166kg |
| Shelf / shelf brackets | Stainless steel | | | | |
| | 2 pcs. / 4pcs. | | | 4 pcs. / 8pcs. | 8 pcs. / 16pcs. |
| Optional items | Stand, Stacking kit, Additional shelf, Cable hole (25/50mm or 30/50mm), External communication terminal (RS485), Temp. output terminal, Time-up output terminal for alarm device | | | | |