

# COOLING INCUBATOR SHAKER IG-ISC SERIES



**IGENE LABSERVE**

Innovative • Interactive • Intuitive

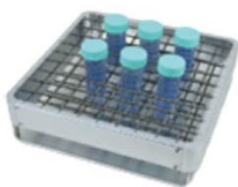
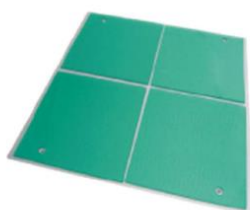
# FEATURES & SPECIFICATIONS

## DESCRIPTION

IG-ISC Series incubator shakers are available with options to select from multiple sizes. All models are having cooling and non-cooling variants. Our models are reliable, versatile and space saving and very affordable. The simple design and ease of operation make our incubator shaker highly efficient for microbial culturing.

## FEATURES

- ❖ Triple drive mechanism connected with the shaking tray for robust and balanced shaking to use for extended use. Micro-controller based temperature indicator cum controller
- ❖ Incorporated with maintenance-free Brushless Induction motor, motor direction can be reversed with customizable acceleration and deceleration profiles.
- ❖ Inner chamber made up of SS 304 & Outer made up of MS Powder Coated
- ❖ Motor and blower arrangement to have uniformity of temperature under loaded condition with brushless induction motor.
- ❖ Permanently lubricated bearing for noiseless operation.
- ❖ A unique airflow system ensures even distribution of temperature.
- ❖ Digital display to show the set value and process value & audio-visual alarm when the temperature deviates from the set temperature
- ❖ CFC-free refrigeration with a time delay to safeguard the compressor. Overload cut-off relay for the compressor.
- ❖ 180 seconds time delay for the compressor switch on . Smooth acceleration and deceleration
- ❖ Flexible screwing options to fix clamps and holders for test tubes at platform at desired positions.
- ❖ Small unit height is less than 2.5 feet allows it to use below the working bench for space saving in small labs.
- ❖ Stationary tray for keeping Petri dishes and conical flasks.
- ❖ Viewing window with light switch to observe during operation
- ❖ Caster wheel for ease of mobility. MCB and heavy-duty latch with lock & key. Main circuit breaker to protect electronic components in case of abnormal power supply
- ❖ Models available with cooling as standard, non-cooling eco versions are also available on demand.
- ❖ Suitable for microbial cultures.



# Technical Specifications

|                          |                                          |
|--------------------------|------------------------------------------|
| <b>Shaker Speed</b>      | <b>30-300 RPM</b>                        |
| <b>Orbit Dia</b>         | Ø 50mm                                   |
| <b>Sensor</b>            | PT 100 sensor with high accuracy         |
| <b>Temperature range</b> | +5° to 60 °C                             |
| <b>Shaking motion</b>    | Orbital                                  |
| <b>Temp. accuracy</b>    | ± 0.3 °C                                 |
| <b>Accuracy (rpm)</b>    | ± 2% of maximum speed                    |
| <b>Timer</b>             | 0 to 99 hours                            |
| <b>Heaters</b>           | U-shaped S.S. Nichrome wire air heaters. |
| <b>Insulation</b>        | 3" Thick CFC-free PUF Insulation.        |
| <b>Door</b>              | Unbreakable acrylic door.                |
| <b>Power supply</b>      | 220-240VAC, 50Hz                         |

| Loading Capacity with platform size (Inch) |       |       |       |       |
|--------------------------------------------|-------|-------|-------|-------|
| Flasks                                     | 12X12 | 16X16 | 18X18 | 24X24 |
| <b>50ml</b>                                | 19    | 40    | 45    | 60    |
| <b>100ml</b>                               | 12    | 16    | 18    | 24    |
| <b>250ml</b>                               | 9     | 12    | 16    | 24    |
| <b>500ml</b>                               | 4     | 6     | 8     | 10    |
| <b>1000ml</b>                              | 2     | 3     | 3     | 5     |
| <b>2000ml</b>                              | 1     | 2     | 2     | 4     |

Capacity checked with sticky mats platforms

| Ordering Information |                                                |
|----------------------|------------------------------------------------|
| <b>IG-12ISC</b>      | Cooling Incubator Shaker with 12x12in platform |
| <b>IG-16ISC</b>      | Cooling Incubator Shaker with 16x16in platform |
| <b>IG-18ISC</b>      | Cooling Incubator Shaker with 18x18in platform |
| <b>IG-24ISC</b>      | Cooling Incubator Shaker with 24x24in platform |

- 1 static platform is included in all model
- ISC are cooling models. Non cooling models are having model without C i.e IG-12IS

## OPTIONAL ACCESSORIES

### 1. PLC CONTROLLER



### 2. INCUBATOR SHAKER STAND



### 3. UNIVERSAL STICKY MAT

