

RAYPA

Leading
Lab Technologies

 Incubation and drying

REFRIGERATED INCUBATORS IRE SERIES

PRECISE TEMPERATURE
CONTROL AND UNIFORMITY
FOR A WIDE RANGE OF
APPLICATIONS



Refrigerated incubators

Low temperature refrigerated incubation for all types of applications. The IRE Series refrigerated incubators allow safe storage of samples and are energy efficient. They are equipped with internal fans and internal plugs to use in conjunction with other equipment to cover all types of applications, such as the determination of Biochemical Oxygen Demand (BOD).

INTENDED USE

- + WATER ANALYSIS
- + DETERMINATION OF BIOCHEMICAL OXYGEN DEMAND (BOD)
- + ENZYMATIC ASSAYS
- + CELL AND BACTERIAL CULTURES AT LOW TEMPERATURE
- + BOTANICS
- + SAMPLE STORAGE
- + AGING
- + COSMETICS

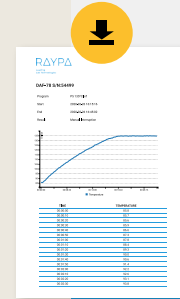


FEATURES

- Forced air cooling incubation.
- Temperature range from 0°C to 45°C.
- Refrigeration by an antivibration hermetic compressor of R600A coolant and an axial fan of 200 m³/h.
- Heating by heating elements.
- Timer start and Timer stop adjustable by date, hour and minute.
- Temperature probe Pt 100 class A.
- Internal illumination.
- Temperature and time controlled by digital PID microprocessor, with 10 editable programs of customizable name, programmable with up to 10 temperature/time segments.
- Intuitive alphanumeric 3,5" LCD touchscreen user interface that displays time, temperature and cycles in graphs, has audiovisual alarms and advanced cycle and timer programming.
- Ethernet connection that allows the use of the online **RAYPanet** platform to view and export cycles, generate reports and simultaneously manage different equipment.
- The interior contains two electric plugs to use with external equipment and, one or two internal fans, depending on the model.
- Metallic door with magnetic seal.
- Lateral adjustable aeration device for external probe access.
- Plastic-coated stainless steel trays with anti-tip system.



RAYPAnet NEW ONLINE DATA PROCESSING PLATFORM



All incubation and drying equipment have a Ethernet connection that allows the use of the **RAYPAnet** online platform on a PC to view and export all the information of the cycles with graphs and all the relevant data, with the ability to export data reports.



All cycle data can be viewed on the platform in real time or through the cycle history registry. Furthermore, all data can be exported in .csv and .pdf file formats for later consultation, study and storage.



The platform is compatible with all web browsers and multiple equipment can be connected and controlled simultaneously.



Touchscreen microprocessor detail.

NEW MICROPROCESSOR FOR ALL INCUBATION AND DRYING EQUIPMENT



Intuitive alphanumeric user interface through a 3,5" LCD touchscreen that allows the display of time, temperature and cycle evolution in graphic format in real time.



Compatible with Celsius or Fahrenheit scales with a resolution of 0.1°C/°F.



Capable of advanced cycle and timer programming, with up to 10 preset programs editable in parameters and name, programmable at a fixed temperature during an infinite time or with up to 10 time and temperature segments. Timer start and timer stop customizable by date and time.



Audiovisual security alarms for cycle finalization, probe failure, heating error, overheating and temperature out of range.

Refrigerated incubators

Internal fans and electrical connection bases



Interior detail of IRE-240 model.

IRE incubators are equipped with internal fans and internal plugs so that other equipment can be connected inside and scientific tests such as Biochemical Oxygen Demand (BOD) can be performed.

The electric configuration of internal plugs can be customised according to regional requirements.

Accessories

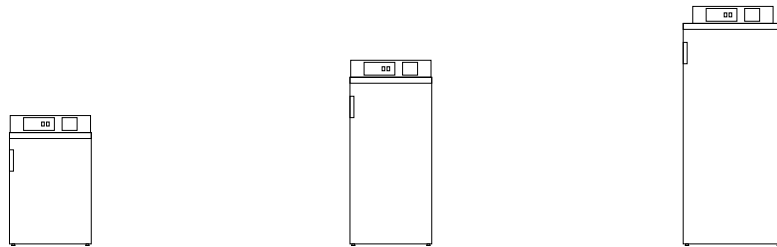


PLASTIC-COATED STAINLESS STEEL TRAYS

Reference	BI-160	BI-240	BI-475
Incubator model	IRE-160	IRE-240	IRE-475
Maximum number of trays	12	30	30
Number of trays supplied	3	4	4
Dimensions L x D mm	540 x 415	490 x 440	585 x 545



TECHNICAL DATA



Dimensions and performance

Reference	IRE-160	IRE-240	IRE-475
Capacity L	160	250	475
Stability °C	±0,15	±0,15	±0,15
Homogeneity %	±2	±2	±2
Resolution °C	0,1	0,1	0,1
Internal dimensions L x D x H mm	513 x 441 x 702	500 x 430 x 1100	600 x 560 x 1452
External dimensions L x D x H mm	600 x 600 x 930	600 x 700 x 1800	750 x 820 x 1800
Power W	325	450	550
Voltage* V	230	230	230
Weight Kg	56	73	108

* Also available with a voltage of 115 V.

Features

Reference	IRE-160	IRE-240	IRE-475
External doors	1	1	1
Number of internal plugs*	2	2	2
Number of internal axial fans	1	2	2
Internal LED illumination	✓	✓	✓
Usb and ethernet connection	✓	✓	✓
Finishing	Metallic	White	White

*The electric configuration of internal plugs can be customised according to regional requirements.

✓: Included

Supplied with

- 3 removable plastic-coated stainless steel trays (4 trays for model IRE-475).
- Access to the online platform **RAYPAnet**.

Safety

- Audiovisual security alarms: end of cycle, probe failure, heating error, overheating and temperature out of range.
- Manual general switch that controls all the incubator circuits and lights up when activated.
- Pilot light that indicates the correct operation of the refrigeration. The visualization of the correct operation of the heating is displayed on the screen.
- Corrosion-resistant, easy to clean exterior.
- Safety according to EN 61010-1 and EN 61010-2-010 regulations.

+ info





CLICK!
ACCESS
TO THE VIDEO
OF THE
IRE SERIES

Find out more about our **IRE Series** incubators on our **Youtube Channel**



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