DragLab

Laboratory

# Incubator

**DI 30 (Digital Display)**
**TI 30 (Touch Screen)**
**DI 55 (Digital Display)**
**TI 55 (Touch Screen)**
**DI 80 (Digital Display)**
**TI 80 (Touch Screen)**
**DI 120 (Digital Display)**
**TI 120 (Touch Screen)**

Connect & Go

# Incubator DI 80 - Digital Display

DragLabincubator ideal solution for media growth andincubation requirements for research, pharmaceutics, medicine and food chemistry, the forced air heating control system is specially optimized to keep temperature homogenous and exactly at the setpoint value.




## Fully controlled environment WithDragLabIncubationsystem

DragLab laboratory incubators has proven its efficiency and accuracy in optimum air circulation inside the fully controlled chamber even when it is fully loaded, all models which presented with different volume sizes are available with an automatized air fan for homogeneous temperature distribution, driven by unique heating system optimally geared to forced air circulation by smart technology to match the intended use. Equipped with a user-friendly software for easy control of many parameters including the temperature and timer. The clear dashboard shows the target and actual display, the status of the device as well as an overview of all events and alarm messages.

## Application:

- Clinical microbiology & monitoring
- Biotechnology, cell culture and media preparation
- Testing, analysis and research laboratories
- Microbiology and Bacteriology sample preparation
- Food and beverage production
- Industry and Research
- Cosmetics, skincare products production.
- Pharmaceutical manufacturing and drug formulation.
- Material testing

DragLab

## Incubator DI 80 - Digital Display

# Quality and Expertise

DragLab Laboratory Devices are meticulously designed and manufactured from high-quality materials to meet the most rigorous requirements of our customers. Our commitment to excellence and innovation drives continuous development and improvement, informed by daily usage and ongoing technological advancements. 'Quality and Expertise' is not just about creating impressive product designs; it reflects our company's policy of prioritizing high preparedness and customer-centric service as our fundamental objective. This dedication extends to all DragLab products, which comply with current European standards and bear the CE mark.

ISO 9001:2015

DragLab is certified to ISO 9001:2015, reflecting our unwavering commitment to quality and excellence. We continuously optimize our production processes, ensuring that every step is efficient and effective. Through ongoing development and innovation, we strive to meet and exceed industry standards. Our customer-centric approach prioritizes the needs and satisfaction of our clients, driving us to maintain rigorous quality assurance protocols. This dedication ensures that laboratory equipment manufactured by DragLab consistently meets the highest standards of quality and reliability.

CE

# Incubator DI 80 - Digital Display

DRAGLAB incubator ideal solution for media growth and incubation requirements for research, pharmaceutics, medicine and food chemistry, the forced air heating control system is specially optimized to keep temperature homogenous and exactly at the setpoint value.



## Features:

### Ventilation System:

Airflowwithforcedaircirculation by a fan.

### Capacity:

80 litersusefulchambervolume.

### Display:

7-segmentdigitaldisplayfor clear and precise readouts.

### Control:

ProgrammablePIDmicroprocessor.

### Temperature:

Controllingtemperatures within the range of +20 °C to 100 °C.

### Timer:

Timer control ranges from 1 minute to 99 hours and 59 minutes or continuous operation.

### Internal shelves:

Two standard shelves for versatile use.

### Interior chamber:

Functional stainless steel AISI 304.

### Housing:

Electrostatic powder-coated galvanized steel.

### Protection:

Automatic thermostatic protection.

### Temperature homogeneity:

Complies with DIN 12880 standards for consistent temperature distribution.

### Safety:

European directive 2014/35/EU and 2014/30/EU.

### Warranty:

2 years warranty worldwide.

### Dimensions:



# Incubator DI 80 - Digital Display

**Specifications:**

| | |
|---|---|
| **Temperature** | |
| **Working temperature range** | min. +20°C ambient up to +100°C |
| **Temperature fluctuation** | 0.1°C |
| **Temperature accuracy** | ± 0.3 % (Over full scale) |
| **Temperature unit** | Easy to choose Celsius or Fahrenheit |
| **Temperature sensor** | 1 Pt100 sensor DIN class A in 2-wire-circuit |
| **Control technology** | |
| **Language setting** | English |
| **Control** | Adaptive multifunctional digital PID-microprocessor controller |
| **Display** | 4 digits, 7 segments digital display |
| **Timer** | Digital backward counter to target time setting |
| **Timer control** | Adjustable from 1 minute to 99:59 hour or continues |
| **Delay timer** | Programmable time delay function |
| **Function set point wait** | The timer does not start until the set temperature reached the set point |
| **Adjustable parameter** | Temperature and time, automatic fan adjustable |
| **Standard equipment** | |
| **External door** | External steel door with compression door lock |
| **Internal door** | Inner door made of tempered safety glass |
| **Calibration certificate** | Calibration certificate at +100°C (optional) |
| **Interior** | Easy-to-clean interior made of stainless steel AISI 304 on all sides |
| **Gasket** | Synthetic rubbers gasket |
| **Housing** | Electrostatic powder-coated galvanized steel |
| **Insulation** | Fully isolated chamber by Rockwool covered by an aluminum sheet to ensure high-temperature stability |
| **Emergency knob** | Manual knob in case of emergency |
| **External dimensions** | 600 (W) X 620 (D) X 730 (H) mm |
| **Shelves** | 2-shelves chrome plated |
| **Safety** | |
| **Auto diagnostic system** | |
| **Alarm** | Audible alarm for fault analysis |
| **Standards** | Audible, can be switched off, adjustable limit on the independent temperature safety device<br>Integrated independent temperature safety device with visual alarm accordance DIN 12880<br>EN 61010-1 and EN 61010-2-010 in accordance with EU directive 2014/35/EU<br>EN 61326-1:213 and EN 61326-1 in accordance with EU directive 2014/30/EU |
| **Class** | Class I electrical equipment in accordance with EU Directive 2014/35/EU |
| **Protection Class** | IP20 according to EN 60529 |

# Incubator DI 80 - Digital Display

## Specifications:

| | |
|---|---|
| **Interior** | |
| **Internal dimensions** | 430 (W) X 435 (D) X 430 (H) mm |
| **Chamber** | Easy to clean Stainless steel material no.: EN 1.4301 (AISI 304) |
| **Useful volume** | 80 liter |
| **Standard shelves** | 2-shelves chrome plated |
| **Max. number of shelves** | 10 |
| **Permitted load** | 150 Kg |
| **Load per shelve** | 15Kg |
| **Ventilation** | Forced air circulation by quiet air turbine automatically adjustable |
| **Fan** | |
| **Working conditions** | The distance between the wall and the rear of the appliance must be at least 15 cm. |
| **Installation** | The sides distance must be not less than 5 cm.<br>The distance from the ceiling must not be less than 20 cm |
| **Temperature** | +5 °C to +55 °C |
| **Humidity** | Max. 80% rh |
| **Electrical data** | |
| **Voltage** | 230 volts, 50/60Hz |
| **Watt** | 1500 watt |
| **Shipping information** | |
| **Customs tariff number** | 8419 8998 |
| **Dimensions approx. incl. carton** | 650 (W) X 700 (D) X 850 (H) mm |
| **Net weight** | 51Kg |
| **Gross weight carton** | 57Kg |

## Order Information:

| Description | Model | Article number |
|---|---|---|
| Incubator 80 Lt - Digital display - AMBIENT TEMPERATURE: +20 °C to 100 °C - 230V, 50/60Hz | DI 80 | 1082.300 |