

**Laboratory**

## **Drying Oven**

**DO 30 (Digital Display)**

**TO 30 (Touch Screen)**

**DO 55 (Digital Display)**

**TO 55 (Touch Screen)**

**DO 80 (Digital Display)**

**TO 80 (Touch Screen)**

**DO 120 (Digital Display)**

**TO 120 (Touch Screen)**

**Connect & Go**

## Drying oven TO 30 - Touch Screen Display

DRAGLAB innovative drying ovens used in research and industries and medicine for a variety of applications, combine efficiency and performance with exceptionally high levels of precision and short heating-up time features on the list of benefits offered.

### Precision Drying Made Easy With DragLab Drying Ovens

**DragLab Drying Ovens** are the most effective and reliable devices for precise drying, sterilization, and thermal testing, requiring only a power source for operation. This process involves circulating heated air within a controlled chamber to remove moisture from samples, ensuring uniform drying and temperature stability. The forced or natural convection system distributes heat evenly, allowing for consistent and reproducible results across various applications. The insulated chamber minimizes heat loss, enhancing efficiency while maintaining a stable working environment. DragLab drying ovens require minimal maintenance, needing only regular cleaning. Proper airflow and temperature settings should be adjusted to achieve optimal drying performance.



### Application:

- Scientific and research laboratories
- Industry and quality assurance applications
- High-accuracy temperature processes, including homogeneous heat distribution and residue-free drying
- Contamination-free processing, sterilization, and safety-compliant applications
- Reliable and precise laboratory experiments with consistent test conditions
- Versatile laboratory tasks, including media preparation and material testing
- Program-controlled heating for industrial, scientific, and research applications

Drying oven TO 30 - Touch Screen Display

A vertical bar representing the German flag, with black, red, and gold horizontal stripes.

# Quality and Expertise



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.

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.

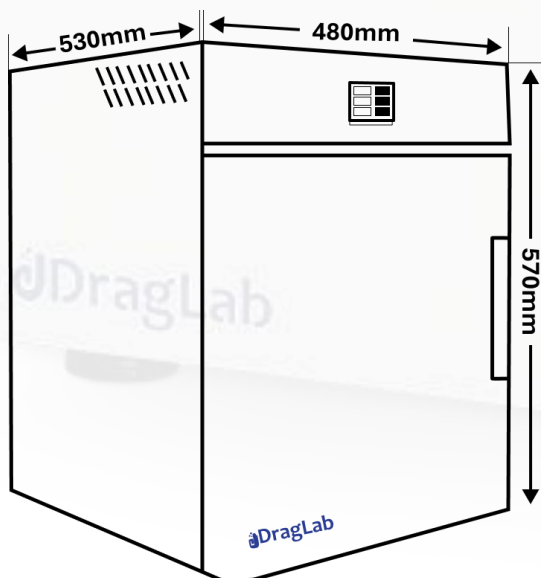


## Drying oven TO 30 - Touch Screen Display

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### Dimensions:



### Features:

#### Ventilation System:

Airflow with forced air circulation by a fan.

#### Capacity:

30 liter useful chamber volume.

#### Display:

Initiative Touch screen display with user-friendly software

#### Control:

Programmable PID microprocessor.

#### Temperature:

Temperature control ranges from +20 °C to 250 °C.

#### Timer:

Timer control ranges from 1 minute to 99:59 hour or continues.

#### Internal shelves:

Two standard shelves.

#### Interior chamber:

Functional stainless steel AISI 304.

#### Housing:

Electrostatic powder-coated galvanized steel.

#### Protection:

Automatic thermostatic protection.

#### Temperature homogeneity:

In accordance with DIN 12880.

#### Safety:

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

#### Warranty:

2 years warranty worldwide.

## Drying oven TO 30 - Touch Screen Display

### Specifications:

#### Temperature

|                                  |                                                                       |
|----------------------------------|-----------------------------------------------------------------------|
| <b>Working temperature range</b> | min. +20°C ambient up to +250°C (Customized temperature is available) |
| <b>Temperature fluctuation</b>   | 0.1°C                                                                 |
| <b>Temperature accuracy</b>      | ± 0.3 % (Over full scale)                                             |
| <b>Temperature unit</b>          | Easy to choose Celsius or Fahrenheit                                  |
| <b>Temperature sensor</b>        | 1 Pt100 sensor DIN class A in 2-wire-circuit                          |

#### Control technology

|                                |                                                                          |
|--------------------------------|--------------------------------------------------------------------------|
| <b>Language setting</b>        | English                                                                  |
| <b>Control</b>                 | Adaptive multifunctional digital PID-microprocessor controller           |
| <b>Display</b>                 | Initiative Touch screen display with user-friendly software              |
| <b>Timer</b>                   | Digital backward counter to target time setting                          |
| <b>Timer control</b>           | Adjustable from 1 minute to 99:59 hour or continues                      |
| <b>Delay timer</b>             | Programmable time delay function                                         |
| <b>Function set point wait</b> | The timer does not start until the set temperature reached the set point |
| <b>Adjustable parameter</b>    | Temperature and time, automatic fan adjustable                           |

#### Standard equipment

|                                |                                                                                                      |
|--------------------------------|------------------------------------------------------------------------------------------------------|
| <b>Door</b>                    | Fully insulated stainless steel door with door lock                                                  |
| <b>Calibration certificate</b> | Calibration certificate at +100°C (optional)                                                         |
| <b>Interior</b>                | Easy-to-clean interior made of stainless steel AISI 304 on all sides                                 |
| <b>Gasket</b>                  | Synthetic rubbers gasket                                                                             |
| <b>Housing</b>                 | Electrostatic powder-coated galvanized steel                                                         |
| <b>Insulation</b>              | Fully isolated chamber by Rockwool covered by an aluminum sheet to ensure high-temperature stability |
| <b>Emergency knob</b>          | Manual knob in case of emergency                                                                     |
| <b>External dimensions</b>     | 470 (W) X 525 (D) X 600 (H) mm                                                                       |
| <b>Shelves</b>                 | 2-shelves chrome plated                                                                              |

#### Safety

|                               |                                                                                                                                                                                                                                                    |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Auto diagnostic system</b> | Audible alarm for fault analysis                                                                                                                                                                                                                   |
| <b>Alarm</b>                  | Audible, can be switched off, adjustable limit on the independent temperature safety device                                                                                                                                                        |
| <b>Standards</b>              | integrated independent temperature safety device with visual alarm<br>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 |

|                         |                                                                         |
|-------------------------|-------------------------------------------------------------------------|
| <b>Class</b>            | Class I electrical equipment in accordance with EU Directive 2014/35/EU |
| <b>Protection Class</b> | IP20 according to EN 60529                                              |

## Drying oven TO 30 - Touch Screen Display

### Specifications:

#### Interior

|                               |                                                                  |
|-------------------------------|------------------------------------------------------------------|
| <b>Internal dimensions</b>    | 320 (W) X 310 (D) X 320 (H) mm                                   |
| <b>Chamber</b>                | Easy to clean Stainless steel material no.: EN 1.4301 (AISI 304) |
| <b>Useful volume</b>          | 30 litter                                                        |
| <b>Standard shelves</b>       | 2-shelves chrome plated                                          |
| <b>Max. number of shelves</b> | 5                                                                |
| <b>Permitted load</b>         | 75 Kg                                                            |
| <b>Load per shelf</b>         | 15 Kg                                                            |

#### Ventilation

|            |                                                                      |
|------------|----------------------------------------------------------------------|
| <b>Fan</b> | Forced air circulation by quiet air turbine automatically adjustable |
|------------|----------------------------------------------------------------------|

#### Working conditions

|                     |                                                                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Installation</b> | The distance between the wall and the rear of the appliance must be at least 15 cm.<br>The sides distance must be not less than 5 cm.<br>The distance from the ceiling must not be less than 20 cm |
| <b>Temperature</b>  | +5 °C to +55 °C                                                                                                                                                                                    |
| <b>Humidity</b>     | Max. 80% rh                                                                                                                                                                                        |

#### Electrical data

|                |                    |
|----------------|--------------------|
| <b>Voltage</b> | 230 volts, 50/60Hz |
| <b>Watt</b>    | 1500 watt          |

#### Shipping information

|                                        |                                |
|----------------------------------------|--------------------------------|
| <b>Customs tariff number</b>           | 8419 8998                      |
| <b>Dimensions approx. incl. carton</b> | 630 (W) X 570 (D) X 800 (H) mm |
| <b>Net weight</b>                      | 35Kg                           |
| <b>Gross weight carton</b>             | 41Kg                           |

### Order Information:

| Description                                                                                     | Model | Article number |
|-------------------------------------------------------------------------------------------------|-------|----------------|
| Drying oven 30 Lt - Touch panel display - AMBIENT TEMPERATURE: +20 °C to 300 °C - 230V, 50/60Hz | TO 30 | 3032.300       |

\* Other voltages available on request