DragLab

Laboratory

Drying Oven



DO30 (DigitalDisplay)
TO 30 (Touch Screen)
DO 55 (Digital Display)
TO 55 (Touch Screen)
DO 80 (Digital Display)
TO 80 (Touch Screen)
DO 120 (Digital Display)

Connect & Go

TO 120 (Touch Screen)

Drying oven TO 80 - Touch Screen Display

DRAGLAB innovative dryingovensusedin researchand 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 ho-mogeneous 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

DragLab

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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

Drying oven TO 80 - Touch Screen Display

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Features:

VentilationSystem:
Airflowwithforcedaircirculationby a fan.

Capacity:
80litter useful chamber volume.

Display:
InitiativeTouchscreendisplaywithuser-friendly software

Control:
ProgrammablePIDmicroprocessor.

Temperature:
Temperaturecontrolrangesfrom+20 °C to 250 °C.

Timer:
Timercontrolrangesfrom1minuteto 99:59 hour or continues.

Internal shelves:
Two standard shelves.

Interior chamber:
FunctionalstainlesssteelAISI304.
Electrostaticpowder-coatedgalvanized steel.

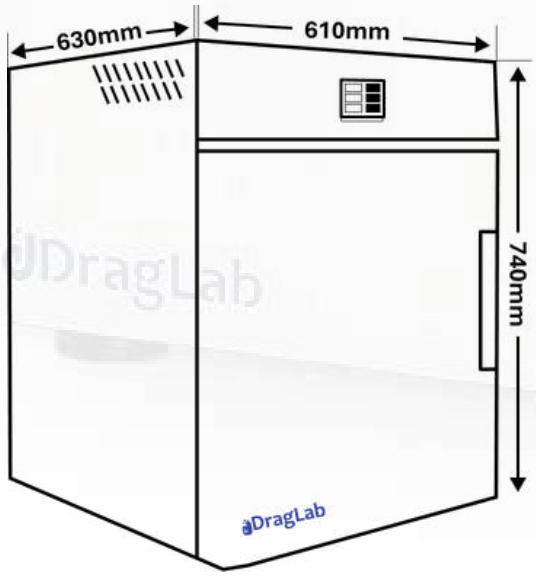
Housing:
Protection:
Automaticthermostaticprotection.

Temperature homogeneity:
In accordance with DIN 12880.

Safety:
Europeandirective2014/35/EUand2014/30/EU.

Warranty:
2 years warranty worldwide.

Dimensions:



Drying oven TO 80 - Touch Screen Display

Specifications:

Temperature	
Working temperature range	min. +20°C ambient up to +250°C (Customized temperature is available)
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	Initiative Touch screen display with user-friendly software
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	
Door	Fully insulated stainless steel door with door lock
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	Audible alarm for fault analysis
Alarm	Audible, can be switched off, adjustable limit on the independent temperature safety device
Standards	integrated independent temperature safety device with visual alarm accordance DIN 12880 EN 61010-1 and EN 61010-2-010 in accordance with EU directive 2014/35/EU 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

Drying oven TO 80 - Touch Screen 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 litter
Standard shelves	2-shelves chrome plated
Max.numberofshelves	10
	150 Kg
	15 Kg
	Forced air circulation by quiet air turbine automatically adjustable
Permitted load	
Load per shelve	
Ventilation	The distance between the wall and the rear of the appliance must be at least 15 cm.
Fan	The sides distance must be not less than 5 cm.
Working conditions	The distance from the ceiling must not be less than 20 cm
Temperature	+5 °C to +55 °C
Installation	
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	51 Kg
Gross weight carton	57 Kg

Order Information:

* Othervoltagesavailableon request

Description	Model	Article number
Drying oven 80 Lt - Touch panel display - AMBIENT TEMPERATURE: +20 ºC to 250 ºC - 230V, 50/60Hz	TO 80	3081.000