Froilabo

Precision for life

AIR SCIENTIFIC

Laboratory Oven - AS60INDUS

Precision meets innovation

Building on the proven performance of the Air Expert range, the new Air Scientific ovens combine efficiency and reliability with a modern, intuitive touchscreen interface and upgraded software. With perfectly uniform heat distribution, rapid thermal response, and a high-performance fan system, it delivers faster processing times and consistent results – helping the user save valuable time without compromising accuracy.

MODELS AVAILABLE	60 L
Air Scientific, plain door	AS60INDUS
WARRANTY	
Parts	2 years

Intuitive Touchscreen Interface

Perfect Temperature Homogeneity

Adjustable Fan Speed

Technical Specifications

AIR SCIENTIFIC - LABORATORY OVENS

MODEL	AS60

GENERAL SPECIFICATION

Net Volume	58 L
Ext Dimension (WxDxH)	530 x 630 x 740 mm
Int Dimension (WxDxH)	400 x 370 x 390 mm
Ext Construction	Electrogalvanised steel with epoxy paint
Int Construction	Brushed stainless steel inner tank
Net weight	44 kg
Standard construction	1 fully closed door, easy hands-free closure / 1 power cord (1.5m)
Shelves (WxD)	380 x 320 mm: 1 anti-tilt stainless steel perforated shelf as standard (max/shelf: 20 kg distributed). Maximum numbers of shelves: 8 (max total weight: 50 kg)
Ambient temperature	From +18°C to +32°C
Use	Indoor use only
Environment	Not designed for use in explosive atmospheres (ATEX)
Warranty	2 years

CONTROL

Display	7 inch Touch Screen, compatible with use of gloves
Software	Embedded and upgradable software: • Manual mode including realtime temperature value, set temperature value, realtime temperature profile • Automatic program mode including scheduler overview • 5 preset programs: 5 different programs • program settings : program name editing, step configuration including up to 16 different temperatures, ramp time, stabilisation time, etc.
Languages	English, French, Spanish, Chinese, German, Romanian
Remote Access	Unit can be connected to a computer to allow a remote access
Data	Temperature profiles, alarms can be exported on USB stick (CSV file format)
Settings	• Alarms • Brightness • Date/Time • User profile login: user, admin and service access • Language • Ethernet
Communication	USB port, Ethernet Port

HEATING SYSTEM

System	Heating convection ensured by fan with adjustable speed (25 to 100%), no risk of conduction or radiation
Ventilation	Turbine ventilation ensuring temperature homogeneity
Air Flow Control	Renewal adjustable front air intake with rear exhaust Adjustment valve designed to evacuate humidity in a natural way: forced air extraction from the rear of the enclosure for better drying performances, due to humidity exhaust, greater air renewal. Long life duration without corrosion

ELECTRIC AND ELECTRONIC DATA

Controller type	Electronic PID self regulating and self-adaptive
Temperature probe	1 x Pt100 3 wires probe
List of alarms	High temperature / Over temperature safety class II according to the European standard EN 61010-2-010 (DIN 3.1 equivalent)
Type of alarm	Visual
Energy consumption	1000W
Types of power supply	230 V 50 Hz + T / 208V/60Hz (on demand) / 110V 50/60Hz (on demand)

PERFORMANCES (AMBIENT TEMPERATURE : 22°C)

Temperature range	Amb +10°C to 250°C, 1/10th degree display (set and actual temperature)
Temporal stability	+/-0.2°C
Homogeneity at +150°C	+/-1.4°C

OPTIONS & CONFORMITIES

Options	• Stainless steel wire shelf • Stainless steel with anti-tilt safety • Reinforced stainless steel shelf with anti-tilt safety • Base with 4 casters (Diam: 80 mm, 2 with brakes, total H: 250 mm) • Stacking kit including 2 spacers, a key and an explanatory note • Data recovery software (RS485 cable to USB for PXR4 regulator) • Key door lock • 16-segment programmable controller • 4 casters (Diam: 80 mm, 2 with brakes) • Additional cable entry port 50 mm with sealing plug • Additional Pt 100 Ohms probe + DIN plug for recorder connection • PT 100 Ohms probe, delivered with 3 points COFRAC verification • Electronic recorder 1 way, continuous plot • Variable flow extractor from 0 to 200 m³ / hour Ø 75 mm • External door with glass, viewing door
Supplied with	1 Shelf, 1 power cord & User manual
Certification / Conformities	Equipment meets the specifications and CE compliant to: • EN60068-3-11 • 2014/35/UE – Low voltage directive • 2014/30/UE – EMC directive, Class A device
Shipping weight	58 kg
Shipping dimension (WxDxH)	570 x 710 x 910 mm