



Universal Oven UN110

Precise drying, heating, ageing, burn-in and hardening in research, science, industry and quality assurance.



The universally applicable lab oven U is Memmert's classic appliance for temperature control in science, research and material tests in industry. The technologically perfected masterpiece made of high-quality, hygienic, easy-to-clean stainless steel leaves nothing to be desired in terms of ventilation and control technology, overtemperature protection and precisely tuned heating technology.

On this page, you can find all the essential technical data on the universal Memmert lab oven. Our customer relations team will be pleased to help if you want further information. If you should require a customised special solution, please contact our technical specialists at myAtmoSAFE@memmert.com.



Temperature

Set temperature range in °C min. 5°C above ambient up to +300°C

Temperature 1 Pt100 sensor DIN class A in 4-wire-circuit

Control technology

Language setting German, English, Spanish, French, Polish, Czech, Hungarian

ControlCOCKPIT adaptive multifunctional digital PID-microprocessor controller with high-definition TFT-colour display

Timer Digital backwards counter with target time setting, adjustable from 1 minute to 99 days

Function SetpointWAIT the process time does not start until the set temperature is reached

Calibration three freely selectable temperature values

adjustable parameters temperature (Celsius or Fahrenheit), air flap position, programme time, time zones, summertime/wintertime

Ventilation

Convection natural convection

Fresh air admixture adjustment of pre-heated fresh air admixture by air flap control in 10 % steps

Vent vent connection with restrictor flap

Communication

Documentation programme stored in case of power failure

Programming AtmoCONTROL software for reading out, managing and organising the data logger via Ethernet interface (temporary trial version can be downloaded). USB stick with AtmoCONTROL software available as accessory (on demand).

Safety

Temperature control adjustable electronic overtemperature monitor and mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature

Autodiagnostic system for fault analysis

Standard equipment

Works calibration certificate Calibration at +160°C

Door fully insulated stainless steel door with 2-point locking (compression door lock)

Internals 2 stainless steel grids

Stainless steel interior

Interior easy-to-clean interior,made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides

Volume 108 l

Dimensions W x H x D in mm $w_{(A)} \times h_{(B)} \times d_{(C)}$: 560 x 480 x 400 mm

Max. number of grids/shelves 5

Max. loading of chamber 175 kg

Max. loading per grid/shelf 20 kg

Textured stainless steel casing

Dimensions $w_{(D)} \times h_{(E)} \times d_{(F)}$: 745 x 864 x 584 mm

Housing rear zinc-plated steel

Electrical data

Voltage 230 V, 50/60 Hz

Electrical load approx. 2800 W

Voltage 115 V, 50/60 Hz

Electrical load approx. 1800 W

Packing/shipping data

the appliances must be transported upright

Customs tariff number 8419 8998

Country of origin Federal Republic of Germany

WEEE-Reg.-No. DE 66812464

Dimensions approx incl. carton B x H x T: 830 x 1050 x 800 mm

Net weight approx. 74 kg

Gross weight carton approx. 99 kg

Standard units are safety-approved and bear the test marks

