

UN 30 - Universal oven with natural circulation

Order code: **2107.UN30**



Information about product price on demand

Parameters

Type of convection	With natural circulation
Brand, Manufacturer	Memmert
Volume [l]	32
Inner dimensions (w×h×d) [mm]	400 × 320 × 250
External dimensions (w×h×d) [mm]	585 × 704 × 434
Size	30
Quantitative unit	ks

Standard delivery Universal Oven

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.

Properties

Control of standard components

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

Control COCKPIT 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

Temperature

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

resolution of display for setpoint values 0.1°C up to 99.9°C, 0.5°C from 100°C and for actual values 0.1°C (LED)

Control technology

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

Language setting German/English/Spanish/French

Calibration three freely selectable temperature values

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

Ventilation

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

Scope of delivery incl. works calibration certificate for +160°C

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

Housing rear zinc-plated steel

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

Internals 1 stainless steel grid

Stainless steel interior

Max. loading of chamber: 60 kg

Dimensions (W × H × D) [mm] w(A) × h(B) × d(C): 400 × 320 × 250 mm

Volume 32 l

Textured stainless steel casing

w(D) × h(E) × d(F): 585 × 704 × 434 mm

Electrical data

Voltage Electrical load 230 V, 50/60 Hz approx. 1600 W

Packing/shipping data

the appliances must be transported upright

Dimensions approx incl. carton B × H × T: 660 × 890 × 650 mm

Net weight approx. 45 kg

Gross weight carton approx. 61 kg