UN 55 plus - Universal oven with natural circulation, TwinDISPLAY
Order code: **2107.UN55plus**

Information about product price on demand

Parameters

Type of convection	With natural circulation
Brand, Manufacturer	Memmert
Volume [l]	53
Inner dimensions (w×h×d) [mm]	400 × 400 × 330
External dimensions (w×h×d) [mm]	585 × 784 × 514
Size	55
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

ControlCOCKPIT adaptive multifunctional digital PID-microprocessor controller with 2 high-definition TFT-colour displays
Temperature 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
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 HeatBALANCE adapting the distribution of the heating performance of the upper and lower heating circuit from -50% to +50%
Function SetpointWAIT 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 for each segment individually
Vent vent connection with restrictor flap

Communication

Documentation programme stored in case of power failure
Programming AtmoCONTROL software on a USB stick for programming, managing and transferring programmes via Ethernet interface or USB port

Safety

Temperature control mechanical temperature limiter TB, protection class 1 according to DIN 12880 to switch off the heating approx. 20°C above nominal temperature
Temperature control overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection class 2, selectable on display
AutoSAFETY additionally integrated over- and undertemperature monitor "ASF", automatically following the setpoint value at a preset tolerance range, alarm in case of over- or undertemperature, heating is switched off in case of overtemperature
Autodiagnostic system for fault analysis
Alarm visual and acoustic

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: 80 kg
Dimensions W x H x D in mm w(A) x h(B) x d(C): 400 x 400 x 330 mm
Volume 53 l

Textured stainless steel casing

w(D) x h(E) x d(F): 585 x 784 x 514 mm

Electrical data

Voltage Electrical load 230 V, 50/60 Hz approx. 2000 W
Voltage Electrical load 115 V, 50/60 Hz approx. 1700 W

Packing/shipping data

Dimensions approx incl. carton B x H x T: 730 x 950 x 670 mm
Net weight approx. 57 kg
Gross weight carton approx. 76 kg