

Universal oven

Model UFE 500



Standard equipment

Ventilation and Control

- forced air circulation by quiet air turbine, adjustable in 10% steps via process controller
- continuous adjustment of pre-heated fresh air admixture
- vent connection with restrictor flap
- fuzzy-supported PID microprocessor controller with integrated autodiagnostic system with fault indication
- solid state switching unit
- 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
- digital 7-day-programme-timer with real time clock, precise minute setting, for one set value or ramp operation in combination with:
- integrated digital timer for tempering profile with max. 4 segments, each segment adjustable from 1 min to 999 hours:
DELAYED ON
HEATING UP
HOLD or HOLD set-temperature-dependent with guaranteed holding time
COOLING DOWN
- "Loop" function to repeat profile 1-99 times or endless
- digital display (LED) of all set parameters, such as temperature, weekdays, time, fan speed, ramp segments and set-up values
- resolution of display for set value 0,5 °C; for actual value 0,1 °C below 99,9 °C, 0,5 °C above 100 °C
- long-term logging (ring store) of all relevant data, GLP-conforming as data logger - 1024 kB
- serial interface RS 232 including MEMMERT Software "Celsius" for programming and documentation
- incl. works calibration certificate for +160 °C

Triple Overtemperature Protection

- in case of overtemperature due to failure, the heating is switched off at approx. 10 °C above the set temperature (fixed value)
- independently working, digitally adjustable electronic overtemperature controller TWW protection class 3.1

- resolution of display and setting accuracy: 0,5 °C below 99,9 °C, 1 °C above 100 °C
- mechanical temperature limiter TB protection class 1 switching the heating off at approx. 10 °C above max. oven temperature

Textured Stainless Steel Casing

- w x h x d: 710 x 760 x 550 mm
- fully insulated stainless steel door with double locking and 4-point adjustment
- rear zinc-plated steel

Interior - Heating Concept

- w x h x d: 560 x 480 x 400 mm, 108 l
- easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing with integrated and protected large-area heating on four sides
- 2 stainless steel grids

Temperature Range

- from +30 °C (however, at least 10 °C above ambient) up to +250 °C

Voltage / Power Rating

- 230 V (+/- 10%), 50/60 Hz
- ca. 2.000 W (during heating)
- adaption of effective heating power depending on the set temperature

Packing Data

- net weight approx. 56 kg
- gross weight carton approx. 69 kg
- dimensions approx.:
carton w x h x d: 82 x 97 x 67 cm
- the appliances must be transported upright

Customs Tariff Number

- 8419 3990

Country of Origin

- Federal Republic of Germany

WEEE-Reg.-No.

- DE 66812464

Accessories

- | | |
|---|-------|
| • Temperature range +300 °C for universal ovens (not available for ovens with glass door) | A0 |
| • Perforated stainless steel shelf | E0(x) |
| • Stainless Steel Grid (for good air circulation) | E3(x) |
| • Interface USB instead of interface | W3 |

RS232

- | | |
|---|----|
| • IQ check list with works test data for oven as support for validation by customer | Q1 |
| • OQ check list including one free-selectable temperature distribution survey to DIN 12880: 2007-05 (size 200/300: 9 measuring points, size 400-800: 27 measuring points) with works test data for oven as support for validation by customer | Q2 |