

## CO<sub>2</sub>-Incubator

### Model INC246med



### Standard equipment

#### Ventilation and Control

- uniform atmosphere and temperature distribution owing to enclosed non-turbulent ventilation system in working chamber
- adaptive, fuzzy-supported multifunctional digital microprocessor PID-controller
- integral fault diagnostics for temperature, CO<sub>2</sub> and humidity limit control
- 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
- digital display of all set parameters, such a temperature, weekdays, time, CO<sub>2</sub>, humidity and set-up values - language to be chosen via set-up
- CO<sub>2</sub>-supply via sterile filter
- digital electronic CO<sub>2</sub>-control with automatic zeroing (infrared measuring system) - adjustment range 0-10% - resolution 0.1%
- intrinsic adjustment of altitude above sea level
- CO<sub>2</sub>-supply interruption upon door opening
- digital display of setpoint and actual values (LED) for temperature (resolution 0.1 °C) and CO<sub>2</sub> concentration (0.1%)
- calibration facility through controller for three freely selectable temperature values, 2-point-calibration for humidity: 20 and 90%, 3-point calibration for CO<sub>2</sub>: 5%, 7%, 10%
- programme stored in case of power failure
- chip-card (STERICard) for sterilisation of working chamber with fixed values (4 hours/160°C), without removal of sensors and mountings

#### Heating Concept

- large-area multi-function heating system on four sides with additional door and back heating to avoid condensation
- incl. works calibration certificate for +37 °C
- integrated humidity limit control (88-97% rh) with digital display of relative humidity - resolution of display 0.5%, setting accuracy 1%

#### Multiple Overtemperature Protection

- with audible and visual alarm
- overtemperature monitor TWW, protection class 3.1 or adjustable temperature limiter TWB, protection class 2, selectable on display
- with audible and visual alarm in case of over-/under temperature or CO<sub>2</sub>, open door and empty gas cylinder
- 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
- mechanical temperature limiter TB, protection class 1 according to DIN 12 880 to switch off the heating approx. 10 °C above nominal temperature

#### Textured Stainless Steel Casing

- w x h x d: 790 x 938 x 750 mm
- fully insulated stainless steel door with 2-point locking (compression door lock), lockable
- inner glass door with opening (8 mm Ø) to take gas sample
- rear zinc-plated steel

**Interior - Heating Concept**

- w x h x d: 640 x 640 x 600 mm, 246 l
- easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing, material 1.4301 (ASTM 304), hermetically welded
- 3 perforated stainless steel shelves, full width and 1 stainless steel water tray, half width

**Temperature Range**

- min. 8°C above ambient up to +50°C

**Voltage / Power Rating**

- 230 V (+/- 10%), 50/60 Hz / approx. 2.000 W

**Packing Data**

- net weight approx. 110 kg
- gross weight carton approx. 125 kg

- dimensions approx.:  
carton w x h x d: 93 x 114 x 93 cm
- the appliances must be transported upright

**Customs Tariff Number**

- 8419 8998

**Country of Origin**

- Federal Republic of Germany

**WEEE-Reg.-No.**

- DE 66812464