CO2-Incubator

Model INC153med

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, CO2 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, CO2, humidity and set-up values - language to be chosen via set-up

- CO2-supply via sterile filter

- digital electronic CO2-control with automatic zeroing (infrared measuring system) - adjustment range 0-10% - resolution 0.1%

- intrinsic adjustment of altitude above sea level

- CO2-supply interruption upon door opening

- digital display of setpoit and actual values (LED) for temperature (resolution 0.1°C) and CO2 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 CO2: 5%, 7%, 10%

- programme stored in case of power failure

- USB-interface incl. Memmert software "Celsius" for programming and documentation

- 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 CO2, 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: 630 x 938 x 650 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: 480 x 640 x 500 mm, 153 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 and 1 stainless steel water tray

Temperature Range

- min. 8°C above ambient up to +50°C

Voltage / Power Rating

- 230 V (+/- 10%), 50/60 Hz / approx. 1.500 W

Packing Data

- net weight approx. 80 kg
- gross weight carton approx. 96 kg
- dimensions approx.:
  carton w x h x d: 75 x 114 x 84 cm
- the appliances must be transported upright

Customs Tariff Number

- 8419 8998

Country of Origin

- Federal Republic of Germany

WEEE-Reg.-No.

- DE 66812464