# IKA

designed for scientists



# INC 125 F digital Incubator
/// Data Sheet

The INC 125 F digital convection incubator is ideal for microbiological applications up to 100 °C thanks to its precise temperature control. The supply of preheated air into the temperature chamber can ensure fast, stable and uniform temperature control. With a capacity of 125 liters, INC 125 F digital offers the largest volume in its class. Up to six grid shelves can be accommodated simultaneously in the spacious chamber.

Easy to clean
• Simple cleaning of the interior thanks to rounded corners and flat surfaces made of corrosion-resistant material AISI 304

• Decontamination mode (120°C) for disinfection and reduction of cross-contamination

Optimal temperature control
• Wide temperature range: RT +8 °C to 100 °C
• Excellent temperature stability and uniformity of +/- 0.3 K
• Internal air circulation can be influenced by electronically adjustable fan speed (0-100%) and ventilation flap (0-100%)
• Excellent temperature management and optimized energy consumption thanks to very good insulation of the inner chamber
• Additional inner glass door for observation of samples without temperature loss

Simple and intuitive operation
• Very large LCD display for easy reading
• Counter, timer and timer auto function ensure reproducible test conditions

Versatile accessories
• Up to two devices (incubator shaker or incubator) can be stacked (with corresponding accessories)
• Different trays available
• Door lock (optional accessory)

Services
• Door hinge on the right, changeable on request
• Installation and Operation Qualification (IQ/OQ) available on request

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## Technical Data

| | |
|---|---|
| Heat output  [W] | 750 |
| Working temperature  [°C] | room temp. +8 - 100 |
| Adjustment and display resolution  [K] | 0.1 |
| Temperature stability (37°C @22°C)  [K] | ±0.3 |
| Temperature homogeneity (37°C @22°C)  [K] | ±0.3 |
| Temperature heat up time (37°C @22°C)  [min] | 8 |
| Temperature door recovery (37°C @22°C)  [min] | 3 |
| Temperature display | yes |
| Display | LCD |
| Timer | yes |
| Timer display | LCD |
| Time setting max.  [d] | 100 |
| Number of trays max. | 6 |
| Load for one tray max.  [kg] | 20 |
| Operating area inner chamber  [mm] | 550 x 550 x 415 |
| Total volume inner chamber  [l] | 125 |
| Air outlet port diameter inside  [mm] | 48 |
| Thermal safety devices according DIN 12880 | TB class 1 |
| Set-point limiter with safety shutdown | yes |
| Inner glasdoor | yes |
| Temperature sensor control | PT 100 4 wire |
| Cleaning thermal decontamination (120°C) | yes |
| Power consumption at 37°C  [Wh/h] | 75 |
| Dimensions (W x H x D)  [mm] | 700 x 720 x 635 |
| Weight  [kg] | 60 |
| Permissible ambient temperature  [°C] | 15 - 32 |
| Permissible relative humidity  [%] | 80 |
| Protection class according to DIN EN 60529 | IP 20 |
| USB interface | yes |
| Voltage  [V] | 220 - 240 |
| Frequency  [Hz] | 50/60 |
| Power input  [W] | 800 |
| Power input max.  [W] | 800 |
| Power input standby  [W] | 2 |
| Fuse | 2x T5.0A 250V |