



Best Technology
For Your Laboratory

**SHAKER INCUBATOR WITH
CIRCULATION FAN**

SHAKER INCUBATOR WITH CIRCULATION FAN

KM11



Overview | KM11

Shaking incubator is designed and produced by the utilization of modern technology. Orbital motion without the slightest noise and vibration, loading capacity of up to 10 kilograms and unrivaled 0.1°C accuracy have made this device one of the most unexceptionable in market. Broad and diverse features of this device have allowed its utilization in different laboratories, Such as medical, industrial, pharmaceutical and research laboratories.

This device is used in a variety of clinical, industrial, food, pharmaceutical, medical and research laboratories

- Circulation fan

Main features | KM11

The heater element is embedded in protection stainless steel shield

Equipped with current control system to protect motor and gearbox

External Case Coated with electrostatic powder paint

Independent, adjustable safety thermostat

Strong gearbox for more power

Equipped with Error Alarm

Circulation fan

Special benefits | KM11

CMT (Consistent Movement Technology)

Uniform movement throughout the whole surface

Continuous operation, even under full load

Loading capacity of up to 10 kilograms

Smooth and silent movement

Strapless and spring-less

DUAL SAFETY

Class 3.1 independent temperature safety device (DIN12880) (TWB)

Visual and acoustic alarm

Two PT100 sensors

Two speed sensors

Outer body

Plate with dimensions of 33x31 cm for placing Erlenmeyer flasks and beakers of different sizes

Specially designed to prevent pouring liquids on board and electronic parts

Adjustable arms to hold Erlenmeyer flasks of different sizes

Beautiful and ergonomic design

Door material with PMMA

Special benefits | KM11

ARM series micro controller

9999-hours smart timer (permanently operable)

6 points user temperature calibration

Double PT100 temperature sensor

PID controller with high accuracy

7"Color graphic TFT LCD

Capacitive touch key

Open door alarm

Lock functions

Documentation

Save data up to 6 months according to GMP/GLP

USB port

Service and guaranty

5-years motor and gearbox warranty

1-year replacement warranty

5-years element warranty

10-years after-sales service

2-years guaranty

Specification | KM11

Exterior dimensions

Depth (cm)	77
Height (incl. feet) (cm)	44
Width (cm)	47
Weight (empty) (kg)	42.5

Interior dimensions

Height (cm)	25.8
Width (cm)	31
Depth (cm)	33
Loading capacity (kg)	10

Temperature data

Maximum temperature °C	60
Temperature uniformity @ 5 point of chamber @37°C (±K)	±0.5
Recovery time after door was open for 30 seconds @37°C (min)	10
Temperature fluctuation @37°C (±K)	±0.3
Display accuracy @37°C (±K)	±0.2
Minimum temperature	AT+5*
Minimum temperature with chiller	AT-10*

Installation condition

Wall clearance, rear (cm)	20
Wall clearance, side (cm)	15
Wall clearance, above (cm)	55
Maximum & Minimum ambient temperature(°C)	+26 to +16
Maximum ambient humidity (%RH)	70

Specification | KM11

Speed data

Rotation diameter (mm)	24
Permissible Weight on shaker (kg)	10
Speed range (rpm)	50-220
Rotation plate (cm)	33*31
Type of movement	orbital
Speed Display	Graphic LCD
Speed deviation	1%
Speed control	1 RPM steps
Permissible on time	100%

Electrical data

Power (W)	1000
Frequency (HZ)	50
Voltage(V AC)	220
Current (A)	4.5

(*) AT= Ambient Temperature

All technical data are specified for units with standard equipment at an ambient temperature of 25 °C and a line voltage fluctuation of $\pm 10\%$.

Options and accessories | KM11

Clamps in different sizes for a variety of Erlenmeyer flasks



Laboratory chiller model (RM6)



IQ, OQ, PQ certificate



Calibration certificate





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