



MTK SERIES TEST CABIN

**Production of
Custom Sizes and
Features*

MTK Series Test Cabinets are designed to artificially simulate and control real environmental conditions by controlling temperature, humidity, day and night lighting cycles for testing different materials, products and components. These cabinets, which are suitable for stability, stability, artificial aging, storage, shelf life tests and storage etc. tests, are also used for different purposes in different sectors;



Electronics Industry



Automotive Supply Industry



Aviation and Livestock Industry



Chemical Industry



Plastics Industry



Textile Industry



Pharmaceutical Industry



Construction Materials Industry



Food Industry



Defense and Weapons Industry



Packaging Industry



Agriculture

BEST CLIMATE CONDITIONS

The glazed metal door allows observation of samples without affecting the humidity and temperature values operating inside the cell.

Considering the cold and hot test temperatures, insulation is of great importance for the efficiency of the product, the insulation of MTK Test Cabinet devices is provided by injected high density polyurethane.

Humidity is provided by a humidity generator and measured by a humidity sensor inside the chamber. In this way, the most precise measurement of humidity is provided. Temperature is controlled by PID, humidification and cooling by proportional control system.

In addition to the fault diagnosis system, there is an adjustable safety thermostat used for heating.

The powerful air circulation provided by the fan ensures very good temperature and humidity distribution and stability even at low temperatures.

There is a fast recovery time after the door is opened and closed. Automatic Water Supply.

UNIQUE LOCKING SYSTEM

The two-point lockable lock ensures ultra-tightness and reliability.



STRONG AND UNIQUE DESIGN

Appropriate materials have been selected in the construction of the device to ensure superior durability, quality and reliability.

The cell is made of 304 Stainless Steel and the outer body is made of epoxy painted galvanised steel so as not to be affected by high humidity

ADVANCED CONTROL SYSTEM

MTK Series Test Chambers are equipped with an advanced microprocessor control system.

There is a Liquid Crystal Display (LCD) on the user panel of the device.

MTK Series Test Chambers can be connected to a computer with an optional RS 232 connection.

Production is carried out in accordance with TS EN 61010-1 (Safety rules for electrical equipment used in measurement, control and laboratory) standard.

In addition, the refrigerant gas and insulation material used in MTK Series Test Cabinets are environmentally friendly and do not contain CFC.

Programme Memory	: The device has 24 programmes and 99 programme repeat memory.
Temperature Value	: -20 °C /+80 °C
Humidity Value	: %20-%95 Rh
Lighting	: 0-24 hours, 2 periods lighting on, 2 periods lighting off.
Time	: 0-999 hours 59 minutes and indefinite operation.
Alarm	: The user is warned when the set values are exceeded.

	MTK-120	MTK-250	MTK-600	MTK-1000
USABLE VOLUME	120	250	600	1000
SHELF	2-7	3-10	3-12	4-15
INTERIOR SURFACE STRUCTURE	Stainless Steel			
EXTERNAL SURFACE STRUCTURE	Electrostatic Powder Coated Steel Against Rust			
TEMPERATURE OPERATING RANGE	20 °C / 80 °C (without humidity and illumination) --- 10 °C / 80 °C (with illumination)			
HUMIDITY OPERATING RANGE	15% - 98% Rh (between 10 °C / 80 °C)			
INSTALLED POWER	750 W	1500 W	2000 W	2500 W
TEMPERATURE SENSOR	PT-100			
CONTROL SYSTEM	PID & MP			
TEMPERATURE SETTING AND READING SENSITIVITY	± 0,1 °C			
HUMIDITY ADJUSTMENT AND READING SENSITIVITY	1% Rh			
TIMER	1 Minute. - 99.9 Hours + Indefinite Operation			
INTERIOR DIMENSIONS (EXBXD) mm	565x530x410	565x1020x475	750x1165x730	1200x1500x600
OUTER DIMENSIONS (EXBXD) mm	720x1300x655	720x1730x790	900x1885x870	1350x2205x870
NET WEIGHT	128	175	220	265
PACKED WEIGHT	138	186	232	278

OPTIONAL REQUESTS

- Production in Special Dimensions and Specifications (Dimension/Software/Programme),
- 4.3 / 5.5 and 7.2 Inch Screen Options.
- Production between -40°C and +180°C,
- Wavelength adjustable led lighting for special works,
- Powerful device lighting,

**You can get information for your specific requests.*

- Remote access and control,
- Telephone, sms module,
- Lighting option for special applications,
- Automatic water supply unit.