

# OPERATING INSTRUCTIONS COMPACT GM 1600 E/EK :

## Important safety precautions

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### General safety precautions

Anyone who is involved in the setting up, use and maintenance of the appliance must have read and understood this operating instructions.

### Intended use

The appliance is only for heating food and beverages.

Never use the appliance to heat chemicals or other materials. This could lead to poisonous or explosive gases.

Never use the appliance for drying textiles, paper or similar materials.

This could lead to melting or burning.

Never use the appliance to store dishes or cookbooks.

Never use the appliance in locations where special conditions prevail, such as the presence of a corrosive or explosive atmosphere (dust, vapour or gas).

Never use the appliance for industrial or medical purposes or for mass production of food.

### Location

Never use the appliance in very damp, hot or fatty environment. At ambient temperatures exceeding 40°C, humidity exceeding 85% and fatty atmosphere the appliance shall not be operated.

Do not remove the feet of the appliance, so that air circulation to the air filters is permitted.

The minimum height of free space above the top surface of the appliance is 100 mm.

### Electrical mains

The appliance must be connected to a mains outlet with a Protective Earth Rated voltage and rated frequency of the mains outlet must correspond to the markings on the nameplate. Never operate the appliance with a defective power cable or plug.

Get a qualified electrician to replace damaged plugs and cables immediately.  
Do not run the power cable over corners, sharp edges or hot surfaces. Avoid the contact with oil.  
Never pull the plug from the socket outlet with wet hands and never pull the appliance by the power cable.

#### Before use

If the door or door seals are damaged, the appliance must not be operated until it has been repaired by a trained person.  
Remove the protective film on the housing.

#### Operators

People who are not familiar with this operating instructions and children must not operate the appliance, unless they are supervised by trained personnel.

#### Maintenance

##### Warning

If the door or door seals are damaged, the appliance must not be operated until it has been repaired by a trained person.

##### Warning

It is hazardous for anyone other than a trained person to carry out any service or repair operation which involves the removal of any cover which gives protection against exposure to microwave energy or access to live parts.

##### Exchange of the lamp

Disconnect the appliance from the power supply. Remove the cover on the right side with a fitting screwdriver and exchange the lamp (candle lamp 60 W, 230 V, socket E 14). Fix the cover and connect the appliance to the power supply.

##### Exchange of the fuse(s)

Disconnect the appliance from the power supply. Remove the cover on the right side with a fitting screwdriver and exchange the fuse(s) (10 A, 250 V, slow blow, 5\*20 mm). Fix the cover and connect the appliance to the power supply.

##### Cleaning

Disconnect the appliance from the power supply. Clean weekly the air filters mounted on the bottom of the appliance. Clean the interior of the oven, door, door seals and their associated parts with a damp cleaning rag and some dish washing soap and dry up afterwards. Do not use any poisonous or corrosive detergent or detergents scratching the surface.

## Warning

Plates, containers etc should be checked to ensure that they are suitable for use in microwave ovens.

When heating food in plastic or paper containers, check the oven frequently due to the possibility of ignition.

If smoke is observed, switch off or unplug the appliance and keep the door closed in order to stifle any flames.

Microwave heating of beverages can result in delayed eruptive boiling, therefore care has to be taken when handling the container.

The contents of feeding bottles and baby food jars are to be stirred or shaken and the temperature is to be checked before consumption, in order to avoid burns.

Eggs in their shell and whole hard-boiled eggs shall not be heated in microwave ovens since they may explode.

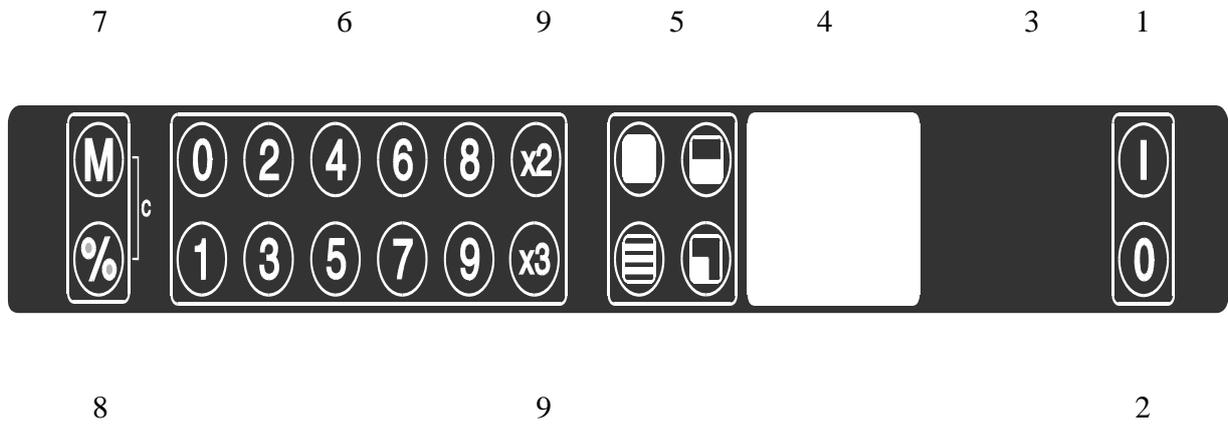
Liquids and other foods must not be heated in sealed containers since they are liable to explode.

Do not operate the appliance when it is empty. It is not necessary to preheat microwave ovens.

## Controls

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Front panel :



- 1 Key „Mains switch on“
- 2 Key „Mains switch off“
- 3 Timer
- 4 Display
- 5 Keyboard „Direct power setting“
- 6 Keyboard „Numeral power setting“
- 7 Key „Memory“
- 8 Key „Percentage“
- 9 Keyboard „Multiplier“

## **Turn on the microwave oven**

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Press the key „Mains switch on“.

The buzzer beeps once. Within 1 second the last chosen heating time appears on the upper display. The microwave oven is ready for operation now.

## **Turn off the microwave oven**

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Press the key „Mains switch off“.

It is possible to turn off the oven at any time and in any mode.

## **Choosing a cooking cycle**

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### Choosing a manual cooking cycle

Choose the cooking time with the timer (range 3 sec to 10 min).

Choose the cooking power with the keyboard „direct power setting“ („defrost“ up to „full power“) or „numeral power setting“ (10 up to 100 %, in steps of 10%).

### Recalling a stored cooking program

Choose the cooking program with the keyboard „numeral power setting“ (0 up to 9).

## **Choosing the cooking power**

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### Possibility 1:

Choose the cooking power with the keyboard „direct power setting“ („defrost“, „quarter power“, „half power“, „full power“). Press the desired key. The key you have chosen is illuminated and the buzzer beeps once. The control circuitry waits 1 second to give you time to press the key

„multiplier“, afterwards the buzzer beeps twice and the microwave oven starts.

Possibility 2:

Choose the cooking power with the keyboard „numeral power setting“ in 10 %-steps from 10 % up to 100 %. Press the desired key („1“ for 10 %, „2“ for 20 %, ..., „10“ for 100 %), the buzzer beeps once, now press the key „Percentage“. The power setting you have chosen is shown in the lower display. The control circuitry waits 1 second to give you time to press the key „multiplier“, afterwards the buzzer beeps twice and the microwave oven starts.

## **Recalling a stored cooking program**

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Press the key with the desired program on the keyboard „numeral power setting“ (0 ... 9), the buzzer beeps once and the upper display shows for 1 second the total cooking time.

The lower display shows (selectable):

- the number of cooking steps (1 up to 3) or
- the number of the running cooking program (0 up to 9)

The selection is made by a jumper (header No. 2 of ST5 on the control board, this jumper may only be set by trained persons):

jumper set :                    number of cooking steps is shown  
jumper removed :            number of cooking program is shown

Afterwards the buzzer beeps twice and the microwave oven starts.

During cooking the upper display shows every 7 seconds for 2 seconds the remaining total cooking time, the lower display shows the number of the cooking step or the number of the cooking program, respectively.

The buzzer beeps twice when there is a change between two cooking steps.

## **Keyboard „Multiplier“**

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If the key „x2“ is pressed within 1 second after choosing the cooking power or the cooking program, the cooking time is increased by 75 %.

If the key „x3“ is pressed within 1 second after choosing the cooking power or the cooking program, the cooking time is increased by 150 %.

It is possible to press the key „x2“ or „x3“ before or after choosing the cooking power or the cooking program.

## **Storing a cooking program**

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It is possible to connect three cooking steps to a cooking program. If only one or two cooking steps are desired, the remaining memory is filled with cooking time 0:00 and cooking power 0.

It is possible to choose the cooking power 0% in the second of totally three cooking steps. This feature can be used for defrosting critical foods.

Start to store your cooking program by pressing the key „Memory“. The buzzer beeps once and the light of the key „Memory“ flashes during the saving process. Choose the number of the cooking program by pressing the desired key of the keyboard „numeral power setting“ (0 ... 9). The upper display shows the cooking time 0:00, choose the desired cooking time with the timer. After choosing the cooking power by pressing a key of the keyboard „numeral power setting“ or „direct power setting“ the buzzer beeps once, the cooking time and cooking power is stored. You can correct cooking power settings by overwriting. If the settings are correct, close the first cooking step by pressing the key „Memory“. Choose settings of a second or third step similar to the first step. Otherwise press the key „M“ one or two times to skip cooking steps.

Pressing a key „Multiplier“ in the storing process is ignored.

## **Check and correction of a cooking program**

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Press the key „Memory“, the buzzer beeps once and the light of the key „Memory“ flashes. Choose the number of the desired cooking program by pressing a key of the keyboard „numeral power setting“ (0 ... 9). The cooking time and cooking power of the first cooking step is shown now. Correction is possible by choosing a new cooking time or cooking power. Otherwise it is possible to switch to the next cooking step by pressing the key „Memory“.

## **Feature „Clear“**

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Clear :

Pressing key „Memory“ and „Percentage“ for 1 second stops the cooking cycle and deletes the cooking time.

Memory clear :

Pressing key „Memory“ and „Percentage“ for 3 seconds deletes all saved programs. The upper display shows three times „clr“, when the buzzer beeps twice, all programs are deleted. If you release both keys too early, programs are not deleted.

## **Feature „Code“**

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If the mode „Code“ is activated, the following keys are disabled: timer, „Memory“, „Percentage“ and the keyboard „direct power setting“. It is only possible to recall stored cooking programs.

It is possible to choose „Clear“, but impossible to choose „Memory clear“.

Activating the mode „Code“ :

Open the door and press the keys „x2“ and „x3“ for 3 seconds. If the control circuitry is already in the mode „Code“, the upper display shows „Code“ and the control circuitry jumps back into normal mode. If not, the mode „code“ can be activated by pressing the key „full power“ within 3 seconds. The upper display shows „Code“, the

buzzer beeps once and the control circuitry jumps back into normal modus.

Deactivating the mode „Code“ :

Open the door and press the keys „x2“ and „x3“ for 3 seconds. If the control circuitry is already in the mode „Code“, the upper display shows „Code“. In this case the mode „code“ can be deactivated by pressing the key „defrost“ within 3 seconds. „Code“ in the upper display disappears, the buzzer beeps once and the control circuitry jumps back into normal mode.

## **Buzzer**

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Buzzer beeps once	Operation accepted
Buzzer beeps twice	Cooking cycle starts
Buzzer beeps three times	Cooking cycle finished or operation error

## **Feature „Def“**

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If the power supply, the plug, the power cable, the fuse(s) or the high voltage transformer are defective or not connected, or the interlock switches are not correctly adjusted or defective, the upper display shows „dEF“. It is also possible, that the door, if not closed properly, causes the mode „Def“. In this case check if there is anything between the door and it's associated parts.

The buzzer beeps until the appliance is switched off.

In the mode „Def“ the appliance can not be operated until it is repaired by a trained person or the surfaces between door and oven are cleaned. After repairing or cleaning the appliance is ready for use again.

## **Feature „Tracking time“**

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When cooking cycle is finished, the cooling fan of the appliance runs for some time (the longer the cooking time was, the longer the fan runs).

When the door is opened or closed, the lamp lights for approx. 20 seconds.

## Dishes

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The right dishes are made of porcelain, glass, card-board, ceramic or heat resistant synthetic materials. Metal dishes (aluminium, stainless steel , etc.) can also be used, but it is possible that the heating process can be extended and the uniformity of heating can be decreased. Avoid contact between metal dishes and between metal dishes and the walls of the cavity. Keep a distance of minimum 30 mm. It is natural that there is no heating by microwaves in a closed metal container.

The dish must be covered for

- shortening the heating time,
- preventing the food from drying
- preventing the oven from getting soiled.

The „dry“ exceptions are :                      bread, pastry, breaded food and food that should stay crispy are not to be covered.

Large amounts of food should be stirred now and then.

## Application hints

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Do not operate the appliance when it is empty.

The heating time depends on the following influences :

Initial temperature	the lower, the longer the cooking time
Density of the food	the more compact, the longer the heating time
Moisture content of the food	the drier, the longer the cooking time
Shape of the food	the thicker, the longer the cooking time
Weight of the food	the heavier, the longer the cooking time

Choose shorter cooking times at the beginning. It is better to reheat than to overheat.

After the heating cycle has been finished the cooking process still continues for approx. 1 minute.