

## **IK 20TC**



**105848**

Bartscher GmbH  
Franz-Kleine-Str. 28  
D-33154 Salzkotten  
Germany

Phone: +49 5258 971-0

Fax: +49 5258 971-120

**Technical Support Hotline:** +49 5258 971-197

[www.bartscher.com](http://www.bartscher.com)



Version: 2.0

Date of preparation: 2024-06-10

---

## Original instruction manual

1	Safety .....	2
1.1	Explanation of Signal Words .....	2
1.2	Safety instructions.....	3
1.3	Intended Use .....	7
1.4	Unintended Use .....	7
2	General information .....	8
2.1	Liability and Warranty .....	8
2.2	Copyright Protection .....	8
2.3	Declaration of Conformity .....	8
3	Transport, Packaging and Storage .....	9
3.1	Delivery Check.....	9
3.2	Packaging .....	9
3.3	Storage .....	9
4	Technical Data.....	10
4.1	Technical Specifications .....	10
4.2	List of Components of the Appliance .....	11
4.3	Functions of the Appliance.....	11
5	Installation and operation .....	12
5.1	Installation.....	12
5.2	Operation .....	13
6	Cleaning .....	22
6.1	Safety Instructions for Cleaning .....	22
6.2	Cleaning.....	22
7	Possible Malfunctions.....	23
8	Disposal.....	24



**Read this instruction manual before using and keep it available at all times!**

This instruction manual contains information about installation, operation and maintenance of the appliance and constitutes an important source of information and reference guide. The knowledge of all operational and safety instructions included in this manual is a prerequisite for safe and proper handling of the appliance. Additionally, accident prevention, occupational health and safety, and legal regulations in force in the area the appliance is used apply.

Before you start using the appliance, especially before turning it on, read this instruction manual in order to avoid personal injuries and property damages. Improper use may cause damage.

This instruction manual forms an integral part of the product and must be stored in an immediate vicinity of the appliance and be available at all times. The instruction manual should be transferred together with the appliance.

## 1 Safety

This appliance has been manufactured in accordance with technical standards currently in force. However, the appliance may be a source of hazards if used improperly or contrary to its intended purpose. All persons using the appliance must consider information included in this instruction manual and observe safety instructions.

### 1.1 Explanation of Signal Words

Important safety instructions and warning information are indicated in this instruction manual with appropriate signal words. You must strictly follow the instructions, to prevent accidents, personal injuries and property damages.



**DANGER!**

The signal word **DANGER** warns against hazards that lead to severe injuries or death if the hazards are not avoided.



### **WARNING!**

The signal word **WARNING** warns against hazards that may lead to moderate or severe injuries or death if the hazards are not avoided.



### **CAUTION!**

The signal word **CAUTION** warns against hazards that may lead to light or moderate injuries if the hazards are not avoided.

### **IMPORTANT!**

The signal word **IMPORTANT** indicates possible property damages, which may occur if safety instructions are not observed.

### **NOTE!**

The symbol **NOTE** indicates subsequent information and guidelines for the user on usage of the appliance.

## 1.2 Safety instructions

### Electrical Current

- Too high a mains voltage or incorrect installation may cause electric shock.
- The appliance may be connected only if data on the rating plate correspond with the mains voltage.
- To avoid short-circuit, the appliance should be kept dry.
- If there are malfunctions during operation, disconnect the appliance from the power supply.
- Do not touch the appliance's plug with wet hands.
- Never take hold of the appliance if it has fallen into water. Immediately disconnect the appliance from the power supply.
- Any repairs or housing opening may be carried out by professionals and relevant workshops only.
- Do not transport the appliance, holding it by the power cord.
- Do not allow the power cord to come into contact with heat sources or sharp edges.
- Do not bend, pinch nor knot the power cord.

- Always completely unwind the power cord.
- Never place the appliance or other objects on the power cord.
- Always take hold of the plug to disconnect the appliance from the power supply.
- Check the power cord regularly for damage. Do not use the appliance if the power cord is damaged. If this cable is damaged, it must be replaced by customer service or a qualified electrician in order to avoid dangers.

### Flammable Materials

- Never subject the appliance to contact with high temperature sources, e.g.: oven, furnace, open flame, heat generating devices, etc.
- To avoid fire hazard, clean the appliance regularly.
- Do not cover the appliance with, e.g., aluminium foil or cloths.
- Use the appliance only with materials designated to this end and with correct temperature settings. Materials, groceries and left-overs remaining in the appliance may catch fire.
- Never use the appliance near flammable or inflammable materials, e.g.: petrol, spirit, alcohol, etc. High temperature triggers evaporation of these materials, and, as a result of contact with sources of ignition, an explosion may occur.
- In case of fire, disconnect the appliance from the power supply before attempting suitable fire-extinguishing actions.
- Never attempt to extinguish fire with water if the appliance is connected to the power supply. Following extinction of fire, ensure sufficient fresh air inflow.

### Safety of Induction Plate Operation

- During operation, the heating area is getting very hot.  
**Information: Induction cooker does not generate heat in the process of cooking. Nevertheless, the temperature of cookware heats up the heating area and the surface remains hot after use. Do not touch any hot surfaces of the appliance.**
- You may transport and clean the appliance after it cools down entirely.
- It is prohibited to sprinkle hot surfaces with cold water or flammable liquids.
- Do not put metal kitchen utensils, lids, knives nor any other metal objects on the heating area. These objects might heat up after switching the appliance on.
- Remember that wearable items, e.g. rings, watches etc., may heat up when they are close to the cooker's plate.
- In order to avoid overheating, do not place any aluminium foil or metal plates on the heating surface of the appliance.
- Do not heat up sealed containers, e.g. canned food, on the heating area of the induction cooker. Resulting overpressure may cause explosion (rupture) of a container or a can. The canned food is best to open it, put it in a pot filled with water and place the pot on a heating area in order to heat it up.
- The heating area is made of a temperature-resistant glass. In case of damage, even if it is only a small fracture, the device should be immediately disconnected from the power supply and you should contact the service company.

## Electromagnetic Fields

- Magnetized items, e.g. credit cards, data storage devices or calculators, may not be placed in an immediate vicinity of the switched on appliance. Magnetic field might damage them.
- Do not open the bottom cover!
- Cookware should always be placed in the middle of the cooking area, so that pot bottom covered the electromagnetic field to the maximum extent.
- Scientific researches proved that induction cookers pose no threat. Nevertheless, people with cardiac pacemaker should keep a distance of at least 60 cm from the working appliance.

## Supervised Usage only

- Only supervised appliance may be used.
- Always remain in an immediate vicinity of the appliance.

## Operating personnel

- This appliance is not intended to be used by persons (including children) with limited physical, sensory or mental capabilities, nor by persons with limited experience and/or limited knowledge.
- Children should be supervised to ensure that they are not playing with or switching the appliance on.

## Improper Use

- Unintended or prohibited use may cause damage to the appliance.
- The appliance may only be used when its technical condition is flawless and allows for safe operation.
- The appliance may only be used when all connections are executed according to rules of law in force.
- The appliance may only be used when it is clean.
- Use only original spare parts. Never attempt to repair the appliance on your own.
- Do not introduce any changes in the appliance nor modify it.



### 1.3 Intended Use

As described below, every use of the appliance for a purpose differing and/or diverging from its intended standard use, is prohibited and considered to be an unintended use.

The following is an intended use:

- Preparing and heating-up foods with the use of suitable cookware.

#### **The appliance is not designed for continuous operation in industrial applications.**

This appliance is intended for use in households and similar places, e.g.:

- in employee canteens in shops, offices, and similar areas;
- on farms;
- by customers in hotels, motels, and other typical accommodation establishments;
- in lodging-houses.

### 1.4 Unintended Use

An unintended use may lead to personal injuries or property damages caused by hazardous voltage, fire or high temperature. The appliance may only be used to perform tasks described in this instruction manual.

The following is an unintended use:

- Heating of rooms.
- Heating-up flammable, hazardous to health and volatile, etc. liquids and materials.

## 2 General information

### 2.1 Liability and Warranty

All information and instructions in this instruction manual account for legal regulations in force, current level of technical engineering knowledge as well as our expertise and experience, developed over the years. If special models or additional options are ordered, or state-of-the-art technical solutions were implemented, the actual scope of delivery of the appliance may, in some circumstances, differ from descriptions and numerous drawings in this instruction manual.

The manufacturer is not liable for any damages nor faults stemming from:

- failure to observe instructions,
- unintended use,
- technical alterations introduced by the user,
- usage of unapproved spare parts.

We reserve the right to introduce technical modifications to the product, intended for improvement of the appliance and its performance.

### 2.2 Copyright Protection

This instruction manual, and texts, drawings and images included in it, as well as its other components are copyright protected. It is prohibited to reproduce this instruction manual (including its excerpts), in any form and by any means, and to use and/or transfer its content to third parties without manufacturer's written permission. Violation of the above results in obligation to pay compensation. We reserve the right to claim further damages.

### 2.3 Declaration of Conformity

The appliance meets the currently applicable standards and guidelines of the European Union. We confirm the above in the EC Declaration of Conformity. We may provide relevant Declaration of Conformity upon request.

## 3 Transport, Packaging and Storage

### 3.1 Delivery Check

Immediately upon reception, check the delivery for completeness and possible shipping damage. In the case of visible transport damage refuse to accept the appliance or accept it conditionally. Mark and note the scope of damage in shipping documents/consignment list of the shipping company and lodge a complaint. Concealed damage must be reported immediately upon its discovery, as compensation claims may only be filed within applicable time limits.

If you find that parts or accessories missing, please contact our Customer Service Department.

### 3.2 Packaging

Do not dispose of the appliance cardboard box. It may be used to store the appliance when relocating or when shipping the appliance to our service point in the case of any damages.

The packaging and its elements are made of recyclable materials. Particularly, these are: plastic films and bags, cardboard box.

When disposing of the packaging, observe applicable domestic regulations. Recyclable packaging materials should be recycled.

EN

### 3.3 Storage

Leave the packaging closed until installation of the appliance; observe external indications concerning method of placing and storage. Store the packaging in the following conditions only:

- in closed rooms;
- in dry and dust-free surrounding;
- away from aggressive agents;
- in a location protected against sunlight;
- in a location protected against mechanical shocks.

In the case of extended storage (over three months), make sure you check the condition of the packaging and the parts regularly. If needed, replace the packaging with a new one.

## 4 Technical Data

### 4.1 Technical Specifications

<b>Name:</b>	<b>Induction cooker IK 20TC</b>
Art. No.:	<b>105848</b>
Material:	stainless steel
Heating plate material:	glass
Number of hobs:	1
Glass hob dimensions (W x D), in mm:	285 x 345
Hob diameter, in mm:	228
Number of power output levels:	8
Max. power output per hob:	2,0 kW
Temperature range, min.–max., in °C:	60 - 240
Number of temperature levels:	8
Time setting, from–to, in min.:	5 - 180
Power supply:	2,0 kW   220-240 V   50/60 Hz
Dimensions (W x D x H), in mm:	330 x 400 x 63
Weight, in kg:	3,4

We reserve the right to implement technical modifications.

#### Version / characteristics

- Appliance connection: ready to plug in
- Hob type: induction
- Control:
  - electronic
  - tactile with a slider function
- Regulation of:
  - power output
  - temperature
  - time

## Technical Data

- Cookware detection
- Overheating protection
- Digital display
- ON/OFF switch
- Indicator light: ON/OFF
- Lock button (child safety lock)

## 4.2 List of Components of the Appliance



EN

Fig. 1

1. Housing
2. Heating plate
3. Touch control panel with digital display
4. Feet (4x)

## 4.3 Functions of the Appliance

The induction cooker is intended for preparation and heating up of foods using appropriate cookware.

Power output, temperature and time are adjusted with the use of the slider function.

## 5 Installation and operation

### 5.1 Installation

#### Unpacking / Positioning

- Unpack the appliance, remove all external and internal packaging elements and shipment safeguards.



#### CAUTION!

##### Choking hazard!

Prevent children from accessing package materials, for instance: plastic bags and EPS.

- If the appliance is covered with a protective film, remove it. Remove the film slowly, so no glue residues are left. Remove any glue residues with the use of a suitable solvent.
- Be careful not to damage the rating plate and warning labels fixed on the appliance.
- **Never** place the appliance in humid or wet environment.
- Place the appliance in a way making the connections easily accessible, so that they may be quickly disconnected if such a need arises.
- The appliance should be placed on surfaces that are:
  - even, with sufficient bearing capacity, resistant to water, dry and resistant to high temperatures;
  - sufficiently large, and thus enabling usage of the appliance with no problems;
  - easily accessible;
  - well ventilated.
- Maintain sufficient clearance from table edges. The appliance might turn over and fall down.
- Do not place the appliance in the vicinity of devices or objects that are sensitive to magnetic fields (e.g. radio, television, etc.).
- Leave at least 5 -10 cm clearance from flammable walls and other objects.

### Power supply connection

- Verify if technical data of the appliance (see rating plate) correspond with the local electric power grid specification.
- Connect the appliance to a single, properly grounded mains socket with protective contact. Do not connect the appliance to a multi-socket.
- The power cord should be laid in a way preventing anyone from threading on it or tripping against it.
  
- Do not use the appliance with an external timer or remote control.

## 5.2 Operation

### Method of operation of heating plates

In induction cookers the electric voltage is applied to a conductive coil under the glass. This generates magnetic field, which being a physical effect, heats the bottom of a cookware directly.

This translates to savings of time and energy, as — contradictory to traditional heating areas — there is no heating up of a heater and then of the glass heating plate.

Another advantage of the technical features described above is the very short cooking time.

Additionally, inflow of heat changes instantly with every change of settings and it may be controlled precisely. The induction heating plate reacts to changes in settings as fast a gas cooker, for the energy is delivered immediately to a pot, without the need to prior heating up of other materials.

The induction technology combines the speed of reaction with a basic benefit of the current, making it possible to precisely control heat inflow.

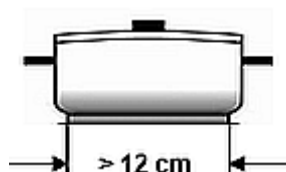
### Suitable Cookware

- Iron cookware
- Enamelled iron cookware
- Steel or enamelled cast iron pots/pans
- Cast iron pots/pans
- Cookware made of 18/0 stainless steel and aluminium if marked as suitable for induction (mind the description of the cookware)



Due to a specific way the induction plate operates, only cookware with a bottom subject to magnetization is suitable.

To obtain better results, use only pans/pots with a diameter of 12–26 cm.



EN

Example:

Induction cooker cookware, Bartscher 9-piece set of cookware  
Chrome-nickel steel, anti-drip edges, non-heating handles

#### 4 pots with lids

2.0 litre, 16 cm diameter, H 10.0 cm

2.7 litre, 18 cm diameter, H 11.0 cm

5.1 litre, 24 cm diameter, H 11.5 cm

6.1 litre, 20 cm diameter, H 20.0 cm

#### 1 pan

2.8 litre, 24 cm diameter, H 6.5 cm

**Art. No.: A130442**



## Installation and operation

---

### Not Suitable Cookware

- Containers with bulged bottoms
- Aluminium, brass, copper cookware unless they are clearly indicated as suitable for induction
- Pots/pans with a diameter below 12 cm
- Cookware with feet
- Ceramic cookware
- Glass cookware



### Before use

1. Before use, clean the appliance observing the instructions in section 6 **'Cleaning'**.
2. Dry the appliance thoroughly.

## Functions of Operating Elements and Displays

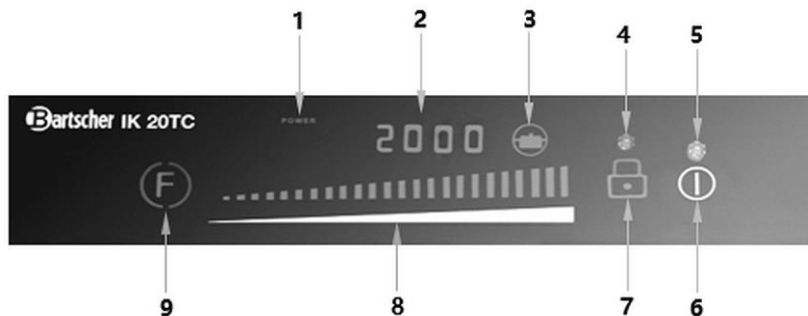


Fig. 2

### 1. Operation Mode Display

- here the display shows information about the operation mode (power, power + time, temperature, temperature + time)

### 2. Digital display of power output value, time or temperature

- here the display shows the selected settings

### 3. Cookware detection display

- it flashes when there is no cookware piece or there is an inappropriate cookware on the hob;
- it is on when there is a suitable cookware piece on the hob.

### 4. Lock button indicator light

- it is on when the control panel is locked;
- it is off when the control panel is unlocked

### 5. ON function indicator light

- it is on when the appliance is in operation

### 6. ON/OFF button

- the appliance is switched on or off by pressing this button

### 7. Lock button

- by pressing this button for about 3 seconds the appliance can be locked or unlocked

### 8. Control bar

- by touching and sliding to the right or to the left you can adjust (increase or decrease) the set power output, temperature or time

### 9. Function selection button

- by pressing this button you can select the operation modes (power, power + time, temperature, temperature + time)

## Appliance start-up

### CAUTION!


**Heating up an empty pot or frying pan activates the overheating protection system; the acoustic signal is heard and the appliance switches off. Digital display shows 'E02' error code.**

Remove the cookware piece from the hob and leave the appliance for a few minutes to cool off. Then place the pot or frying pan with the contents for cooking on the hob and start up the appliance.

Never place an empty cookware on the hob.

1. Place an appropriate cookware with food at the centre of the hob.
2. Plug the appliance into an appropriate single socket.

The acoustic signal is heard and the indicator light is ON.

3. To switch the appliance on, press the ON/OFF button. 


The function selection button  is flashing and the lock button  turns on.

### Settings

#### HINT!

To steam or cook food (max. temperature of 170°C) select one of the output levels.


To fry or deep-fry food (max. temperature of 240°C) select one of the temperature settings (60°C – 240°C).

With every subsequent press of the function selection button  you can select another operation mode, in the sequence listed below:

Power      ➔ Power+ time      ➔ Temperature      ➔ Temperature +  
(Power)      (Power + Time)      (Temp)      (Temp + Time)


The set operating mode appears on the digital display.

#### Operating mode: Power


1. Press the function selection button .


The appliance switches to the **power mode**.


**Factory set power value of 1300 W** will be displayed on the digital display.

The selection button  is lit and the appliance is in operation.

Displays '**Power**' and '**Cookware detection**'  are on.


If you do not press the function selection button  within 1 minute, an acoustic signal will be heard and the appliance automatically switches to the Stand-by mode.

The induction cooker will recognize whether an appropriate cookware piece is placed on it. If yes, the display '**Cookware detection**'  is lit and is operating with the selected settings.

If there is no cookware piece on the hob or an improper cookware piece is placed on the hob, or the diameter of the cookware bottom is less than 12 cm, the display '**Cookware detection**'  is flashing, and the acoustic signal is heard until an appropriate cookware piece is placed on the hob.

If an appropriate cookware piece is placed on the hob, the appliance switches to the Stand-by mode after 30 seconds.

## Installation and operation



2. If the device is in the power mode, by pressing the control bar  and sliding to the left or to the right, you can change the settings any time within the range from 500 W to 2000 W.

There are **8 possible power settings**:

**500 W, 700 W, 900 W, 1100 W, 1300 W, 1500 W, 1700 W, 2000 W**

The digital display shows the selected power value.

### Operating mode: power+ time

1. If the device is in the power mode, press the function selection button , to move on to setting the time.
2. With your finger press the control bar  and slide to the left or to the right, to set the required time.

You can put in **8 time settings** within the range from 5 minutes to 180 minutes:

**5, 15, 30, 50, 75, 105, 140, 180 minutes.**

With the memory function, the previously set power setting remains unchanged.

Displays '**Power**' and '**Timer**' are on.

The time is counted down in minutes, whereas the digital display shows the power value and the remaining time interchangeably.



When the time has run out, an audio signal is heard and the device switches off automatically. Only the electronics cooling fan operates for approximately 45 seconds and then switches off.

### HINT!

**To interrupt the set time during operation, press the ON/OFF  button.**

**Restart the appliance by pressing the same button again and make the desired settings.**

### Operating mode: Temperature



1. Press the function selection button  to switch to the temperature mode. The display 'Temp' is on and the digital display shows the **factory set temperature 200°C**.
2. With your finger press the control bar  and slide to the left or to the right, to set the temperature.

**You can** select the following **8 temperature settings** within the range **60°C to 240°C**:

**60°C, 100°C, 120°C, 160°C, 180°C, 200°C, 220°C, 240°C.**

The digital display shows the selected temperature.

### Operating mode: Temperature + time

1. If the appliance is in the temperature mode, by pressing the function selection button , you can move on to setting the time.
2. With your finger press the control bar  and slide to the left or to the right, to set the required time within the range from **5 to 180 minutes**.

Thanks to the device's memory function, the set temperature remains unchanged. Displays 'Temp' and 'Timer' are on. The time is counted down in minutes, whereas the digital display shows the temperature and the remaining time interchangeably. When the time has run out, an audio signal is heard and the device switches off automatically. Only the electronics cooling fan operates for approximately 45 seconds and then switches off.

#### **HINT!**

**You can change the time setting any time during operation of the appliance with the use of the control bar .**


**Thanks to the device's memory function, the set output power or temperature remain unchanged.**


**Output or temperature settings may be changed the same way, without changing the set time. The appliance will then function according to the most recently input data.**


### **HINT!**


**The induction cooker will switch off automatically if within 2 hours no further value set or the time is set to over 120 minutes.**

### **Lock button**

1. Press the lock button  for 3 seconds to lock the control panel.


The acoustic signal is heard, the indicator light above the lock button  is lit and is on for as long as the control panel is locked.

The appliance continues operation with the input settings, all buttons on the control panel excluding the ON/OFF button , are locked. This prevents the accidental modification of the settings.

2. To unlock the appliance, press the lock button  again for 3 seconds.

The acoustic signal is heard and the indicator light above the lock button goes off.

### **Switching the appliance off**

1. When the process of cooking or keeping food warm is finished, switch the appliance off with the ON/OFF button .
2. Unplug the appliance.

### **CAUTION!**

**Hot surface! Risk of scalding!**

**The temperature of cookware heats the hob up and the surface remains hot after use.**

Do not touch any hot surfaces of the appliance.

## 6 Cleaning

### 6.1 Safety Instructions for Cleaning

- Before cleaning, disconnect the appliance from the power supply.
- Leave the appliance to cool down completely.
- Make sure water does not enter the appliance. Do not immerse the appliance in water or other liquids during cleaning. Do not clean the appliance with a pressurized water jet.
- Do not use any sharp or pointed, nor metal implements (knife, fork, etc.). Sharp or pointed implements may damage the appliance, and when in contact with live parts, they may cause electric shock.
- For cleaning, do not use any scouring agents that contain solvents nor corrosive cleaning agents. They may damage the surface.

### 6.2 Cleaning

1. Clean the appliance regularly after the end of each working day, or more frequently if needed.
2. Wipe the glass plate, control panel and housing of the appliance with a soft, damp cloth. Use a mild, non-scrubbing cleaning agent if required.
3. Finally, dry washed surfaces with a soft cloth.
4. Ventilation openings at the bottom of the appliance should not be obstructed with dirt nor dust. Clean them regularly with a brush or a blower.



## 7 Possible Malfunctions

The table below contains descriptions of possible causes and solutions to malfunctions or errors during operation of the appliance. When malfunction cannot be removed, contact the technical service.

In such a case, provide article number, model name and serial number. These data may be found in the rating plate.

Error code	Cause	Solution
E0	No cookware on a hob or inappropriate cookware.	Use only suitable cookware.
E1	Appliance is getting too hot (e.g. due to obstructed ventilation openings).	Open the passage through ventilation openings. Leave the appliance to cool down and re-start. If the error code is still shown in the digital display, contact the service company.
	A damaged element (e.g. a transistor).	Contact the service company.
E2	The overheating protection has been activated and the appliance will switch off.	Disconnect the appliance from mains power supply. Remove cookware from a hob. Leave the appliance to cool down, and re-start.
E3	Short-lasting power cut.	Disconnect the appliance from mains power supply. After a few minutes, plug the appliance in again. Have an electrician to check the electrical connection.

## 8 Disposal

### Electrical Appliance



Electric appliances are marked with this symbol. Electrical appliances must be disposed of and recycled in a correct and environmentally friendly manner. You must not dispose of electric appliances with household waste. Disconnect the appliance from the power supply and remove power cord from the appliance.

Electrical appliances should be returned to designated collection points.