

**IK 50TC**



**105922**

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: 1.0

Date of preparation: 2020-08-03

---

## 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.....	12
5	Installation and operation .....	12
5.1	Installation.....	12
5.2	Operation .....	13
6	Cleaning .....	18
6.1	Safety Instructions for Cleaning .....	18
6.2	Cleaning.....	18
7	Possible Malfunctions.....	19
8	Disposal.....	20



**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

EN

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.

## 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.

EN

## 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.

## Safety

---

- 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.

### 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.

EN

### 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 50TC</b>
Art. No.:	<b>105922</b>
Material:	stainless steel
Heating plate material:	glass
Number of hobs:	1
Glass plate dimensions (W x D), in mm:	330 x 330
Hob diameter, in mm:	280
Output per hob:	5 kW
No. of power levels:	10
Power supply:	5 kW / 400 V / 50 Hz
Dimensions (W x D x H), in mm:	400 x 525 x 180
Weight in kg:	10,3

EN

We reserve the right to implement technical modifications!

#### Version / Characteristics

- Equipment connection: 3 NAC
- Type of hobs: induction
- Control: electronic, touch
- Control: output
- Cookware detection
- Lock button (child safety lock)
- Digital display
- Protection against overheating
- ON/OFF switch
- Indicator light: ON/OFF, child safety lock
- Dust filter and grease filter

## 4.2 List of Components of the Appliance



Fig. 1

- |                                  |              |
|----------------------------------|--------------|
| 1. Hob                           | 2. Housing   |
| 3. Control panel                 | 4. Feet (4x) |
| 5. Dust filter and grease filter | 6. Glass hob |

EN

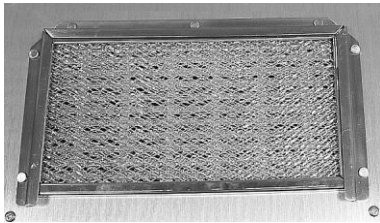


Fig. 2

### Dust filter and grease filter

The induction cooker is provided with a dust filter and grease filter (5).

The dust filter and grease filter (5) is to protect the body from dirt and grease sucked by the fan together with the air.

Always place the dust filter and grease filter (5) in the appliance prior to operation.

### 4.3 Functions of the Appliance

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

The 5 kW induction cooker provides considerable power in any chosen place. The power output is controlled in a simple way — through touch control mechanism.

## 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.

EN

- 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.

## Installation and operation

---

- 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.

### Connection — Electrical Power

- Verify if the technical specification of the appliance (see the rating plate) correspond to the local electricity grid.
- Electrical connection of the appliance to mains power supply must be executed by a qualified electrician, according to international, national and local regulations in force.
- The induction cooker is equipped with power cord. It must be connected with a plug or directly into a suitable mains wall socket.
- 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.

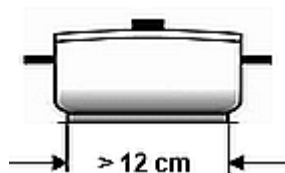
### Suitable Cookware

- 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 12–28 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 instructions in section 6 'Cleaning'.
2. Dry the appliance thoroughly.

#### **ATTENTION!**

**The appliance without filters cannot be connected to the power supply and switched on.**

3. Fit the dust filter and grease filter from the bottom of the appliance.
4. Place the appropriate cookware with food in the middle of the hob.
5. Execute the required settings according to indications below.

### Control Elements / Displayed Messages

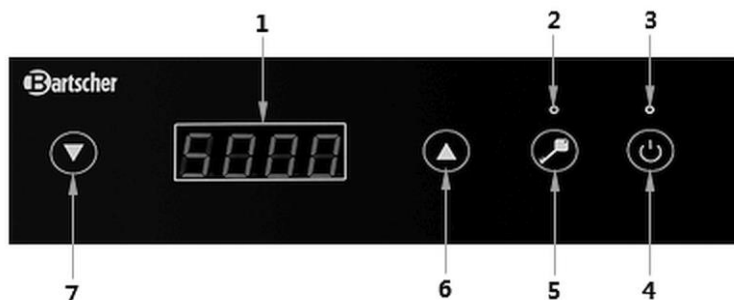





Fig. 3


1. Digital display
2. Child safety lock LED indicator light
3. ON /OFF LED indicator light
4. ON/OFF button
5. Lock button (child safety lock)
6. Power setting value increase button
7. Power setting value decrease button

EN

### Appliance Start-up


1. Connect the appliance to the power supply.  
An audio signal will sound and the ON/OFF LED indicator light will start blinking.  
The appliance is now in standby.
2. Press the ON/OFF button , to switch the appliance on.  
The ON/OFF LED indicator light is on and indicates that the appliance is operating.
3. Using the  or  buttons, set the required power in the range of 500–5,000 W.  
Settings may be introduced in 500 W increments.  
The digital display shows the corresponding power.

### Lock Button (Child Safety Lock)

1. After setting the power level, the lock button  may be pressed to interlock the selected function.

Child safety lock LED indicator light goes on.


The appliance will not respond if in this state any other button is pressed (except for the ON/OFF button).

2. To unlock the control panel buttons, press the lock button  again, and hold it until a sound signal is issued.

Child safety lock LED indicator light goes off.

All buttons operate as usual again.

### Switching the Appliance Off

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

#### **NOTE!**

**The induction cooker switches off automatically if no setting is entered within 2 hours.**

EN

After switching the appliance off, the fan operates for approx. 1 minute to cool down the electronics; afterwards, it switches off.

2. Disconnect the appliance from mains power supply if it is not used any more.

### Overheating Protection

The appliance is equipped with overheating protection. When the critical temperature is exceeded, the appliance will switch off for safety reasons.

#### **ATTENTION!**

**Heating up an empty pan or frying pan activates the overheating protection system; a sound signal will sound and the appliance will switch off.**

**The digital display shows 'E2'.**

Never place empty cookware on the hob.

When overheating protection is activated, remove cookware from the hob and leave the appliance for a few minutes to cool down.

Then, you may start using the appliance again.

## 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 hob, control panel and housing of the appliance with a soft, damp cloth. Use mild, non-scrubbing cleaning agent if required.
3. Finally, dry the cleaned surfaces with a soft cloth.
4. Clean the dust filter and grease filter daily with a mild cleaning agent or in a dishwasher. To this end, remove the filter from its holder. When cleaning is finished, introduce completely dry dust filter and grease filter into the appliance.
5. Ventilation slots at the rear of the appliance should not be obstructed with dirt or 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.

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

	<p>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.</p>
---	---

Electrical appliances should be returned to designated collection points.