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Instrumentation Production cycle

C E

Digital control **panel**
ELE-FE1

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CEILING
DISPLAY

BEDPLATE
DISPLAY

FIG.1

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SET TEMPERATURE
to set the ceiling or bedplate set point

BAKING TIMER
to set the baking time

START
baking time start and stop

CLOCK
to set the current time and the automatic oven restart timer

DAILY REPEAT
to set the current day and enable the automatic restart days

PROGRAMS
to set and enable the baking programs

STEAM EXTRACTOR
to start the steam extractor

HUMIDIFIER
to start the humidifier

STEAM INJECTION
to enable steam injection

ENERGY SAVER
to enable the energy saver

LIGHT
to turn on the oven light

ON/OFF
to turn the instrument on/off

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| | **4.2** | **Initial settings** |

Switch the controller on and off

Hold the ON/OFF key for several seconds

if the instrument is on, it will turn off; if it is off, it will turn on.
Once on, the controller starts bringing the oven to temperature, according to the set temperatures

Set the time

Hold the CLOCK key for 3 seconds

The minutes on the TIME display start blinking. Use the UP and DOWN arrows on the TIME display to change the minutes.
Press the CLOCK key to change the hours (the hours start blinking)

Press CLOCK again or wait 10s to exit and confirm the time set.

Set the day

Hold the DAILY REPEAT key for 3 seconds

The set day starts blinking on the TIME display, as follows dAy1=Monday, dAy2=Tuesday, ., day7=Sunday.
Use the UP and DOWN arrows on the TIME display to change the day.

Press the key again or wait 10s to exit and confirm the day set.

Set the ceiling and bedplate temperature
The procedure below is to be carried out with the machine on and during baking.

Press and release the SET TEMPERATURE key.

The LED associated with the key lights up and the CEILING and BEDPLATE displays show the currently set temperature.
Use the UP and DOWN arrows on the right to change it

To exit: press SET again or wait 10s.

To change the values faster, hold the UP or DOWN buttons.

Set and change the baking time

Press and release the BAKING TIMER key

The 4-digit display shows the baking time (hours and minutes) and the LED associated with the key turns on steady.
To change the settings, use the UP and DOWN arrow buttons on the right.

To exit and confirm the new values press BAKING TIMER or wait for the time-out

To change the values faster, hold the UP or DOWN buttons for more than 3s.

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Startup

Activate the supply of the oven (power e water)

Set the required temperature on the temperature control.

Set the cooking time on the relative timers

and the required drying time.

Wait approx. 30 minutes to allow the oven and the humidifier to reach the desired temperature.
Close the manual gate to exhaust vapors
Open the glass of the required chamber and insert the product to be cooked.

Start the baking timer

Press the START key

The TIME display shows the remaining time until the end of the baking cycle and the LED on the START key turns on.

Start the vapor intake control to enable humidification

Wait for the cooking time as set

End of the baking cycle

Once the baking time elapses, the buzzer turns on and the TIME display shows "End"
Press any key to mute the buzzer.
The TIME display shows the time once again and the LED on the START key turns off

Make sure the mixture is ready for the discharging (if not ready to set a new time for the completion of cooking)
Start the discharging process proceeding as shown in the following order:

Operate the steam aspirator

Open the manual steam discharge gate
Open and half close the door glass for a few moments so that residual hot fluid is aspirated.
Open the door completely and with the aid of temperature-resistant gloves extract the product
Prepare the oven (if necessary) for a new cooking cycle

Stop the baking timer before the end

After starting the baking cycle, press the START key after the baking cycle starts

The TIME display shows the time once again and the LED on the START key turns off

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| | **4.4** | **Automatic restart** |

Set the automatic restart time

You can set the oven to restart automatically at a certain time but only if the controller is on.

Press and release the CLOCK key

The TIME display shows the restart time; the minutes are blinking.
Use the UP and DOWN arrows on the right to change the minutes.
Press the CLOCK key again and use the UP and DOWN arrows on the right to change the hours.
To exit and confirm the new values, press HOUR again or wait 10s.

To change the values faster, hold the UP or DOWN buttons for more than 3s.

Activate the automatic switch-on time

The automatic start time can be activated only if the controller is off.
To activate the oven restart time:

Turn off the oven by pressing the ON/OFF key

Press the CLOCK key; the TIME display shows the restart time for a few seconds and the LED of the key starts blinking.
After a few seconds, the time display shows the current time again.

When the automatic start function is on, the LED of the CLOCK key blinks.

The automatic restart time function must be enabled each time the oven is switched off.

Deactivate the automatic restart function

Just press the CLOCK key when the LED blinks. The LED turns off and the automatic restart function is disabled.

Automatic restart daily repeat

You can program the oven to start automatically at the same time every day

With the oven off, press the DAILY REPEAT key

The time display shows the restart time for 3s; the LED on the button turns on steady, indicating that the baking start time set is valid for every day of the week. The LED of the CLOCK key starts blinking.

To DISABLE this function, press the DAILY REPEAT key again.

Attention: the oven will still start automatically once, as indicated by the LEDs of the CLOCK and START keys

Selecting the restart days

You can select the days when you want the baking cycle to start automatically.

With the OVEN ON, press the DAILY REPEAT key

The 4-digit display shows dAy1 =Monday.
To enable/disable the automatic daily start function for that day, press the DAILY REPEAT key (when you release the key, the LED on the key turns on or off)
Scroll through the different days using the UP and DOWN arrows (dAy2=Tuesday, dAy3=Wednesday, dAy4=Thursday, dAy5=Friday, dAy6 =Saturday, dAy7=Sunday).
Repeat the enabling/disabling operation for all the days of the week
To exit and confirm, press Daily for another 3s or wait for the time-out.

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| 4.5 | **Baking programs** |

The instrument can memorise up to 9 baking programs and for each of them, it can memorise:
- the (set) temperature of the bedplate
- the (set) temperature of the ceiling
- the baking time

You cannot select or modify any program during the baking cycle.

Setting a program with the oven RUNNING

Press and release the PROGRAMS key; on the TIME display appears the PrG1 program label and the LED on the PROGRAMS key turns on.
Select the desired program using the UP and DOWN arrows of the clock display.
Press the PROGRAMS key again. The SET and TIME LEDs turn on, the Ceiling and Bedplate Set Points appear on the relevant displays and the baking time appears on the CLOCK display. The LED of the PROGRAMS key blinks.
Set the values and confirm them within 10s by pressing the PROGRAMS key again
The PROGRAM IS LOADED and the display shows the temperature again. The LED on the PROG key turns on
To change another program, start from point 1.

Setting a program with the oven in STAND-BY

Press and release the PROGRAMS key; the TIME display shows the label of the program, PrG1, and the LED on the PROGRAMS key turns on.
Select the desired program using the UP and DOWN arrows of the clock display.
Press the PROGRAMS key again. The SET and TIME LEDs turn on, the Ceiling and Bedplate Set Points appear on the relevant displays and the baking time appears on the CLOCK display. The LED of the PROGRAMS key blinks.
Set the values and confirm them within 10s by pressing the PROGRAMS key again
The program is now memorised and the next program is displayed. To modify it, repeat the operations from point 3.

Selecting the program

Press and release the PROGRAMS key; the TIME display shows the label of the program, PrG1, and the LED on the PROGRAMS key turns on.
Select the desired program using the UP and DOWN keys.
Confirm the program by pressing PROGRAMS again. The SET and TIME LEDs turn on, the Ceiling and Bedplate Set Points appear on the relevant displays and the baking time appears on the clock display

Disabling the active program

With the PROGRAMS LED on, press the PROGRAMS key; the LED turns off.

To stop the currently active program, press the START key and then press PROGRAMS; the LED turns off

Starting a baking cycle with an active program

After selecting the program (PROGRAMS LED on), you can start the baking cycle via the standard modes: by pressing START for or with the automatic modes

	4.6	Steam

Steam generator
When you press the STEAM GENERATOR key
, the Steam Generator turns on or off. When the steam generator is on, the LED of the key is on.

Steam injection
The steam injection function is enabled only if the LED of the Steam Generator is on.
Once the steam output is enabled, it remains on for a certain time that can be set from the keyboard.

The steam injection is controlled manually via the STEAM INJECTION key

Setting the steam injection time
The steam injection time can be set directly from the key:
To set the time, hold the steam injection key for at least 3s.
On the 2 digits at the right of the TIME display appears the injection time. Use the UP and DOWN arrows to change the value (0+60s).
To exit, press the key again or wait for the exit time (10s).
The injection can be interrupted before the set time by pressing the STEAM INJECTION key again.

	4.7	Steam extractor

The steam extractor can be enabled using the relevant key or automatically before the end of the baking cycle.

Enabling steam extractor by pressing the relevant key
Press the extractor key
; the extractor and the LED of the key turn on. To stop it, press the key again (the LED turns off)
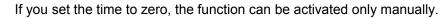
Automatic extractor activation before the end of the baking cycle
The steam extractor can turn on automatically for a few minutes before the end of the baking cycle. To set for how long before the end of the baking cycle should the extractor be on:

press the extractor key until the TIME display shows the activation time expressed in h:mm.
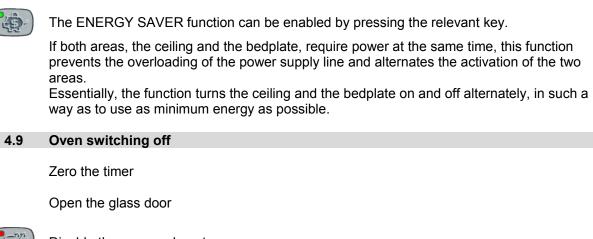
Use the UP and DOWN arrows to change the value (0+1h30m).
Exit: press the key again or wait for the exit time (10s).

If you set the time to zero, the function can be activated only manually.

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The ENERGY SAVER function can be enabled by pressing the relevant key.

If both areas, the ceiling and the bedplate, require power at the same time, this function prevents the overloading of the power supply line and alternates the activation of the two areas.
Essentially, the function turns the ceiling and the bedplate on and off alternately, in such a way as to use as minimum energy as possible.

| 4.9 | Oven switching off |

Zero the timer

Open the glass door

Disable the vapor exhauster

Turn off the steam generator

and turn off the instrument after 20 / 25 minutes

Power off the machine (electrical Energy; fuel; water)

4.10   Useful Information

Cooking time in particular can vary according to the type of dough, its homogeneity and volume.

Make sure you carefully monitor the first baking cycles and check the results achieved: using the same types of dough under the same conditions, you will obtain standard results.

The heat needed to process your dough depends on its preparation, ingredients and liquids. Setting the same processing temperatures you can bake different product at the same time. Disregarding their position, you can use all shelves, and also bake small batches with top results.

Should bread not take on vapor, resulting matt and rough at the end of your baking cycle, check if during the vaporizing cycle the product gets wet. Should this be the case, you need to modify the dough. Keep in mind that you can achieve good results only if your batch is not too wet when ready to be moved inside the oven. For this reason, it is important that the rack loaded with the dough from the proofing chamber, is left to rest 1-2 minutes in the air before going into the oven.

Make sure that the oven door opens only for loading and unloading operations.

Keeping the oven access door open for too long, makes the baking chamber temperatures drop, i.e. uneconomically increases the consumption of fuel or energy.

As a consequence of the loading and unloading operations, temperature displayed on the thermoregulator drops of about 30°. The thermal difference is re-balanced within a maximum span of time of 8/10 minutes. This is quite a short time compared with the original heat exchange between dough and hot air which generates a remarkable drop in temperature of the circulating air

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