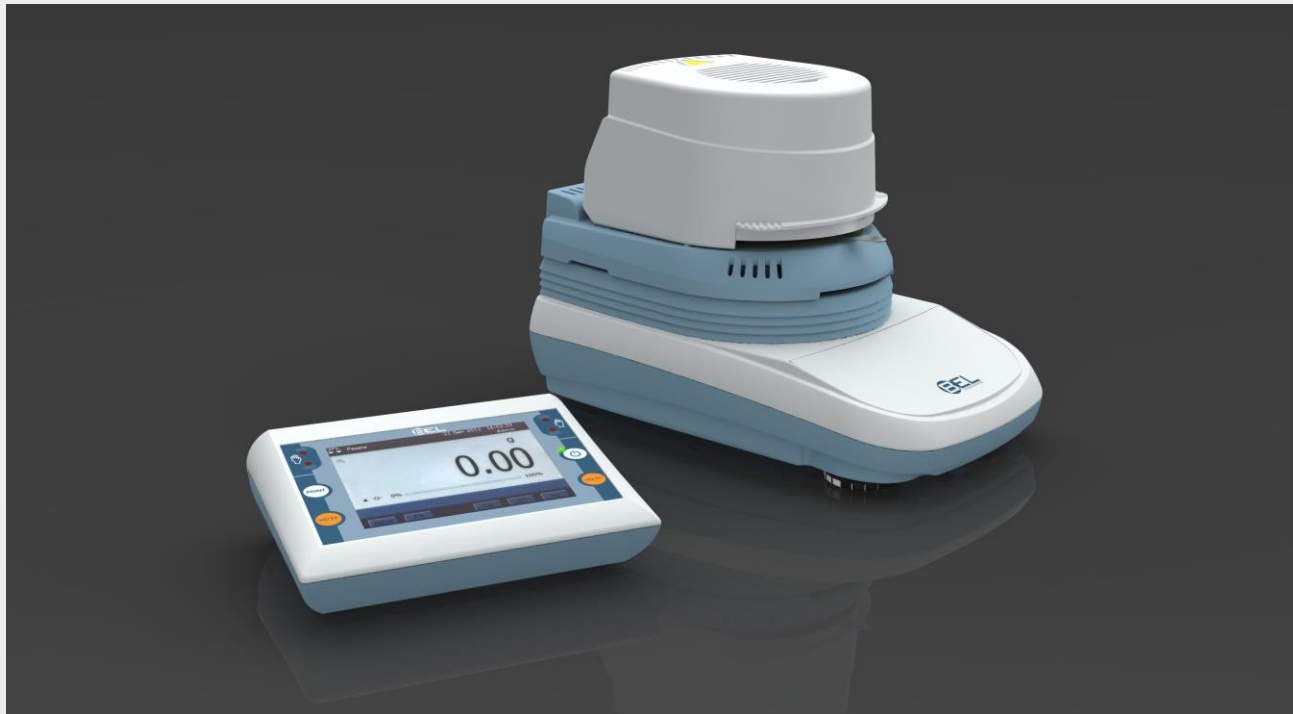# iThermo Touch 163

■ New ithermo balance
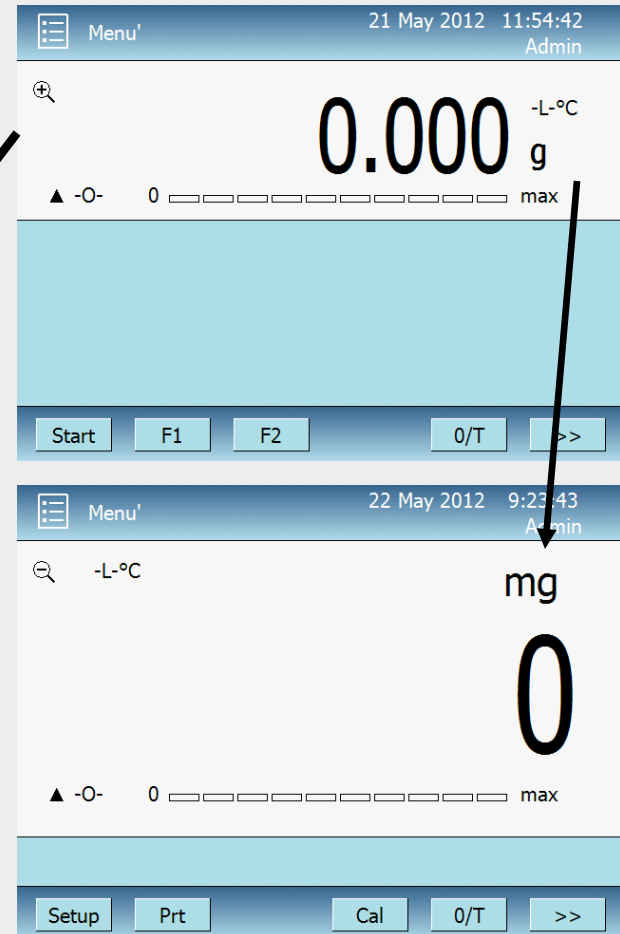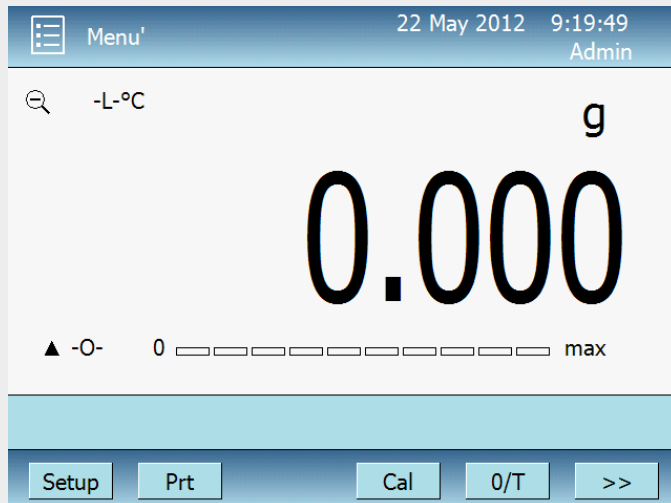
The most efficient moisture content determination

Bel Engineering

Fast access

- Touch on to enlarge weight indication
- Touch on "**g**" to change units

Bel Engineering

Setup parameters

- Immediate access to settings menù
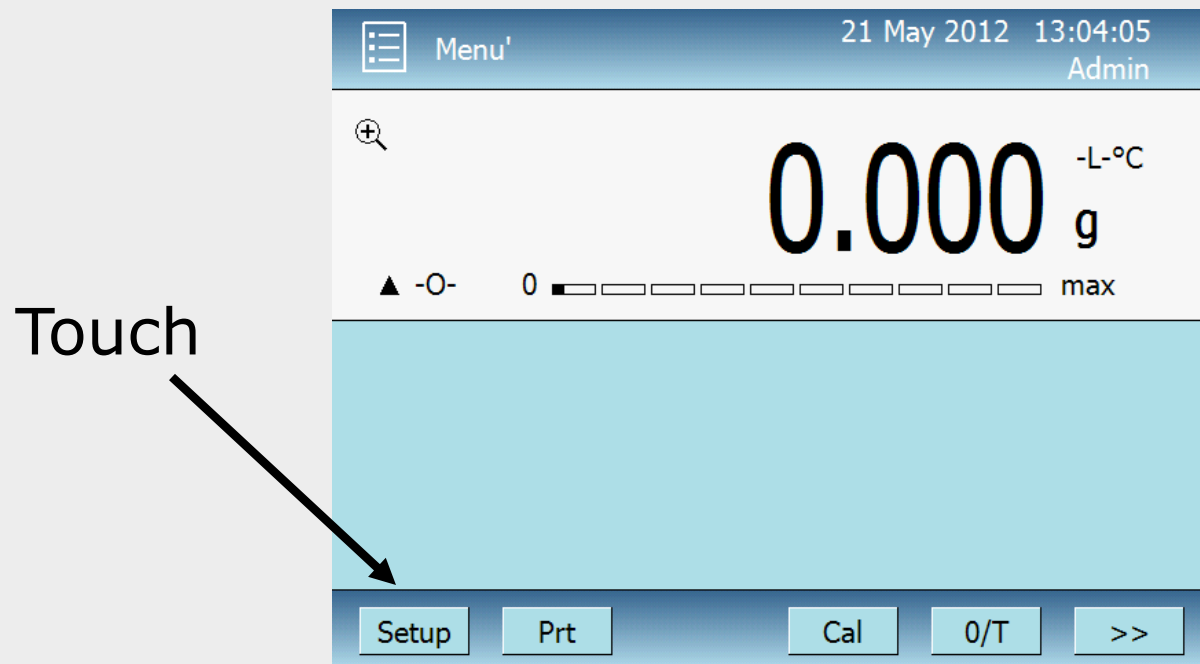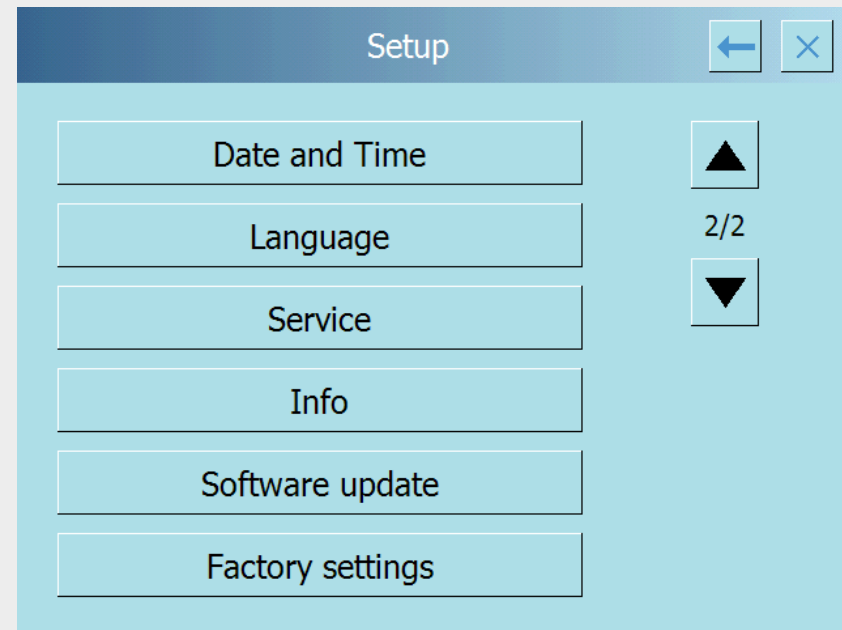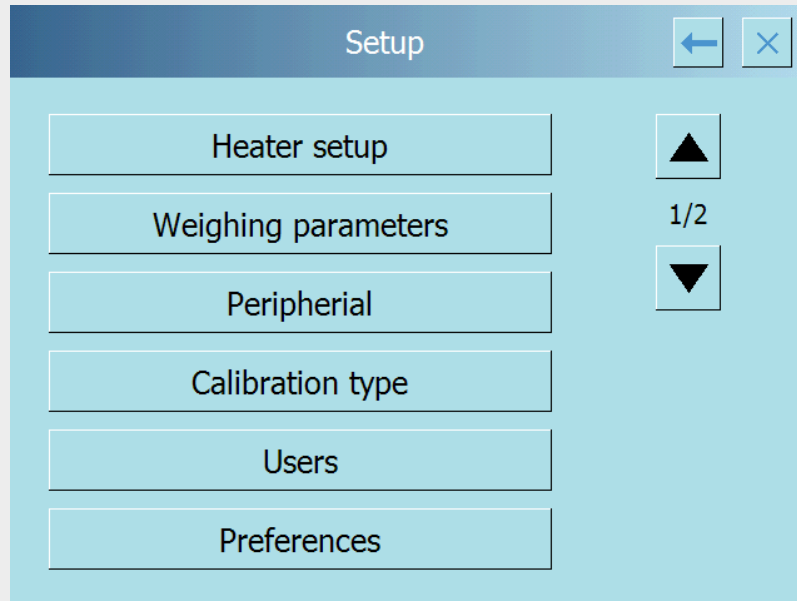
Touch

Bel Engineering

Setup menu

Setup ← ✕

| Heater setup |
| Weighing parameters |
| Peripherial |
| Calibration type |
| Users |
| Preferences |

▲
1/2
▼

Setup ← ✕

| Date and Time |
| Language |
| Service |
| Info |
| Software update |
| Factory settings |

▲
2/2
▼

Bel Engineering

Heater setup

Bel Engineering

Mode selector start drying

- Manual or automatic

- Stability at the starting

Bel Engineering
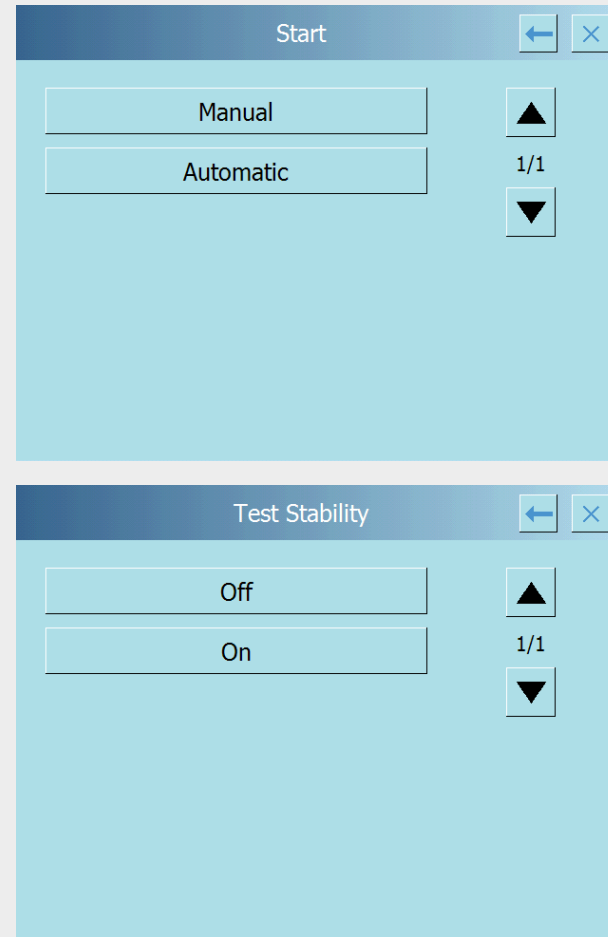
Setting delay start drying

Bel Engineering
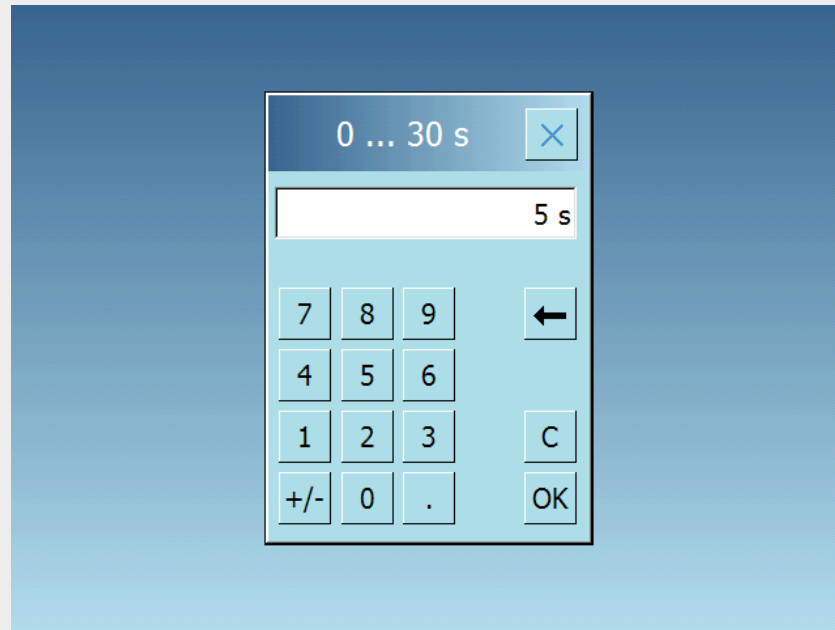
Temperature control of the oven and temperature calibration of the oven
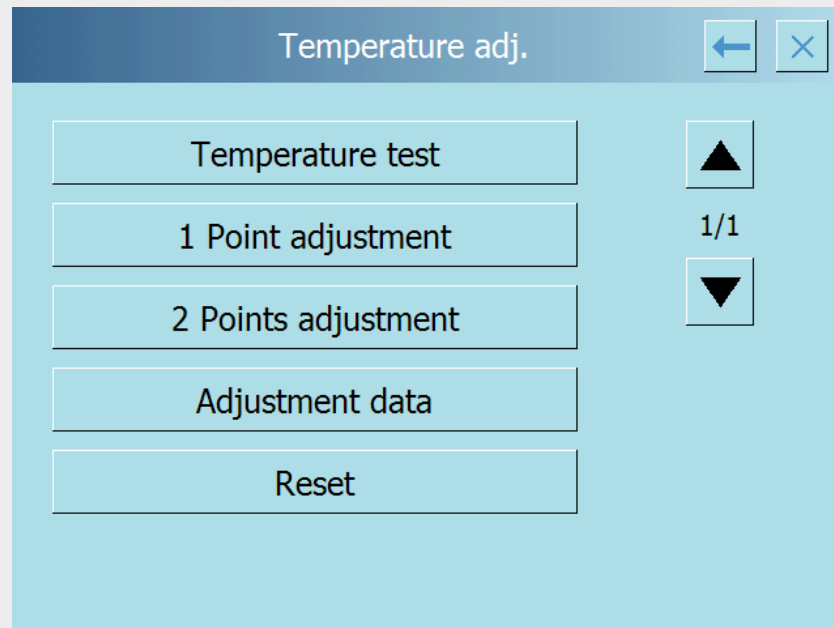
Temperature test of the oven by means of the kit STCi-01

Display values of the oven temperature

Actual

Last

Bel Engineering

Weighing parameters setting

Bel Engineering

Level filtering setting

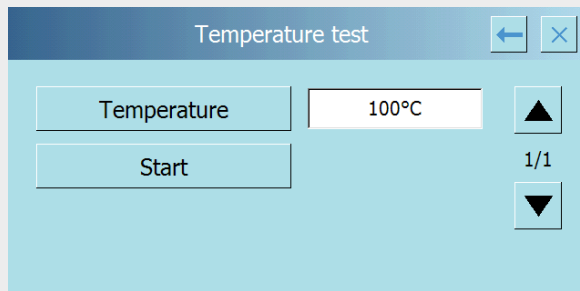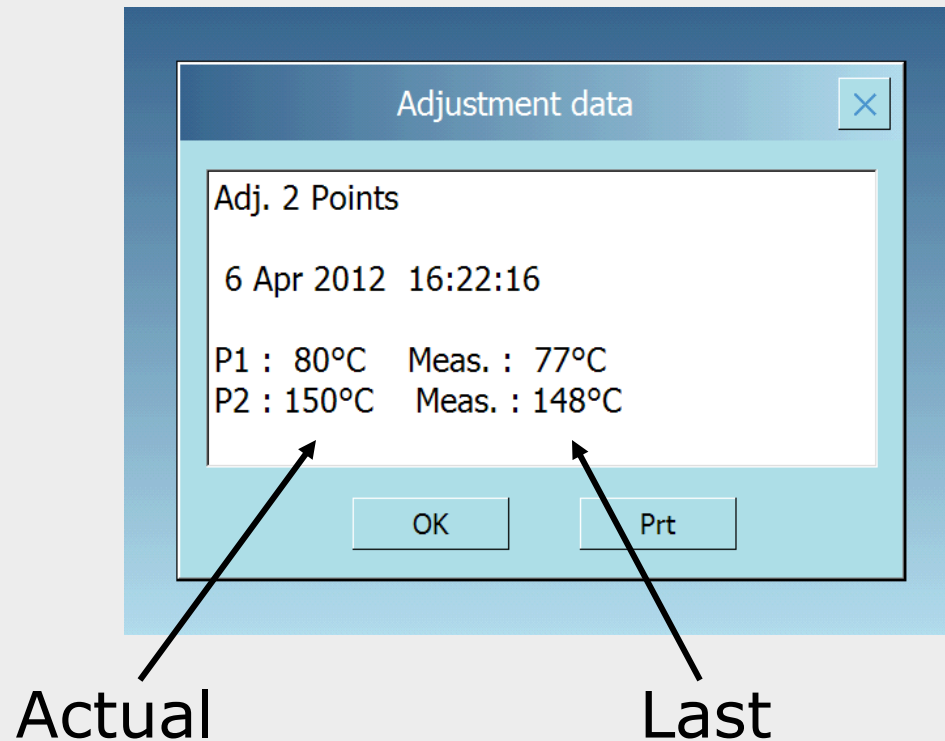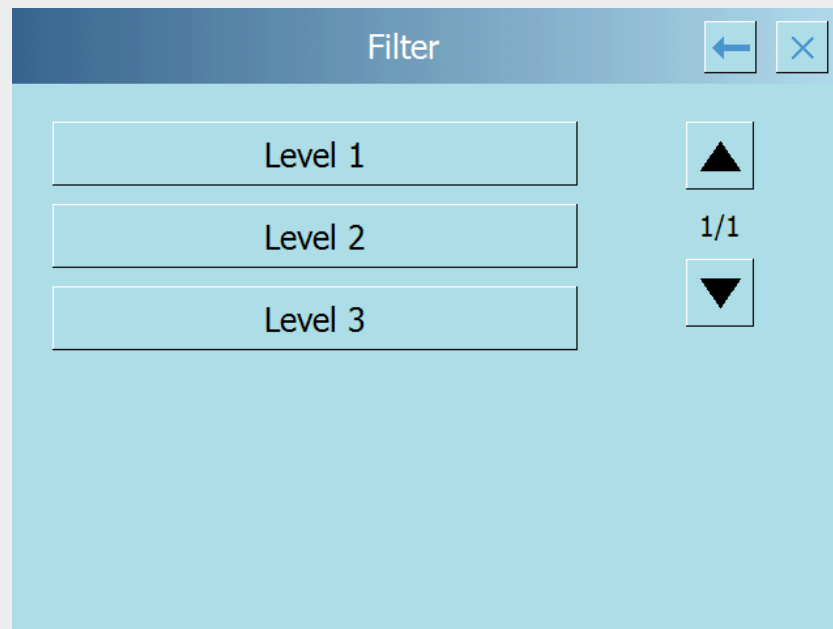# Peripherials (PC or Printer) setting

Bel Engineering
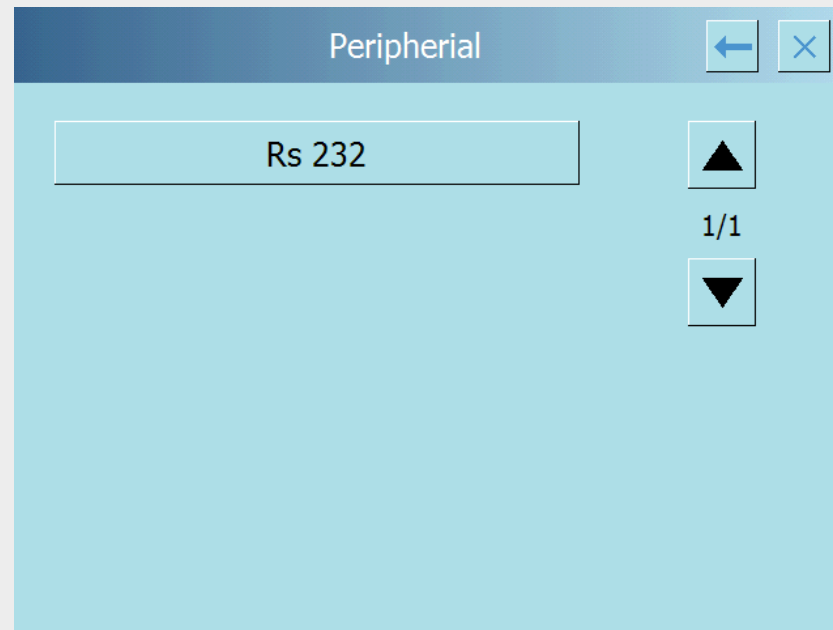
Printer/PC RS232 parameters setting

- Automatic – Manual printing
- Printing at stability
- Info Glp printing
- Heading printing
- Starting-End drying date-time printing

Rs 232		
Mode	Manual Tlp50	
Baud rate	38400 Baud	1/2
CTS	Off	
Stability	Off	
Print heading	Off	
Line feed	0	

Rs 232		
GLP	Off	
Print time - date	On	2/2

Bel Engineering

Balance calibration procedure

Calibration's data display and printing
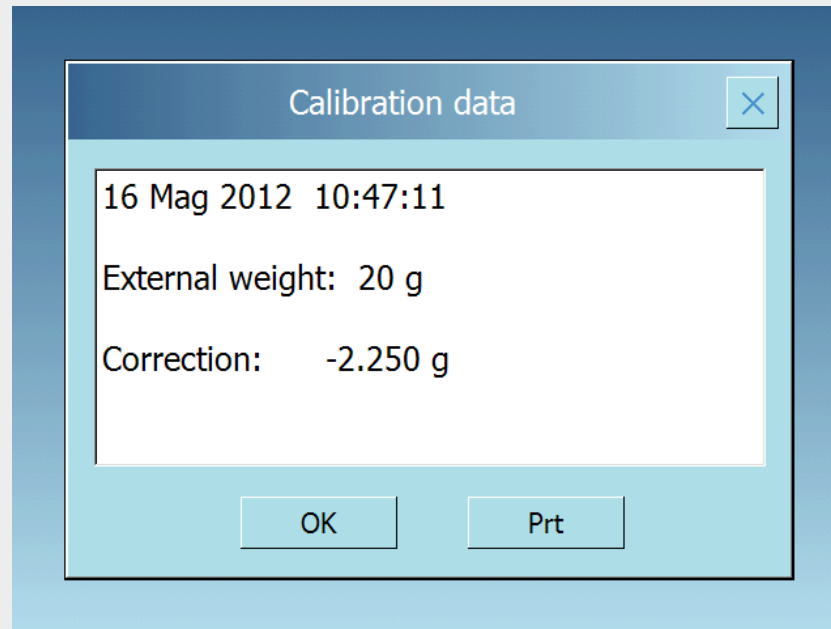
Calibration mode

User's menù

Bel Engineering
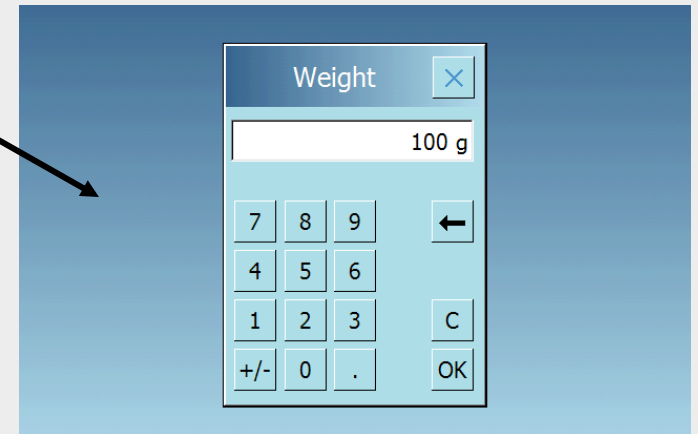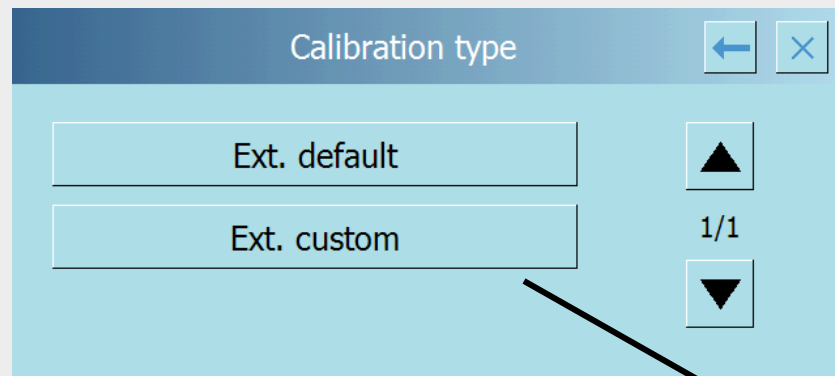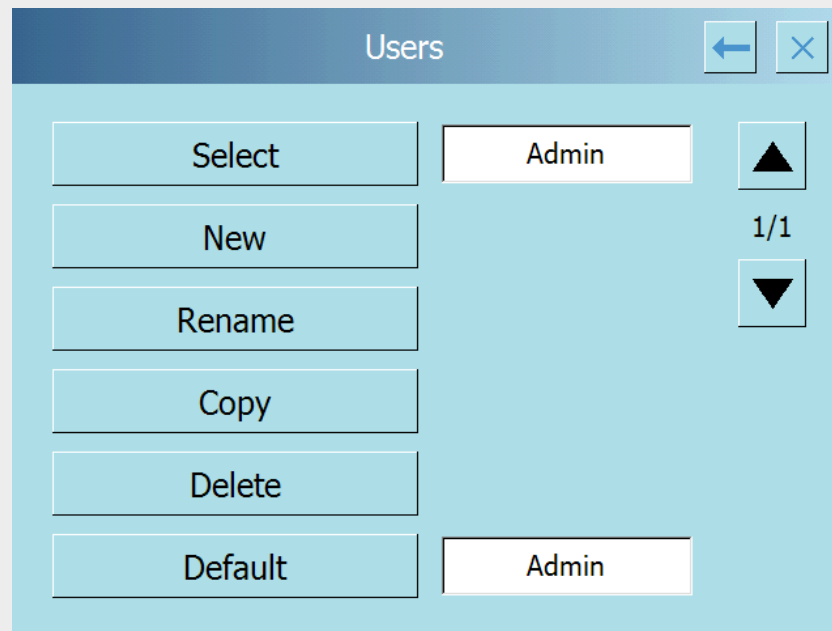
User data setting

Bel Engineering
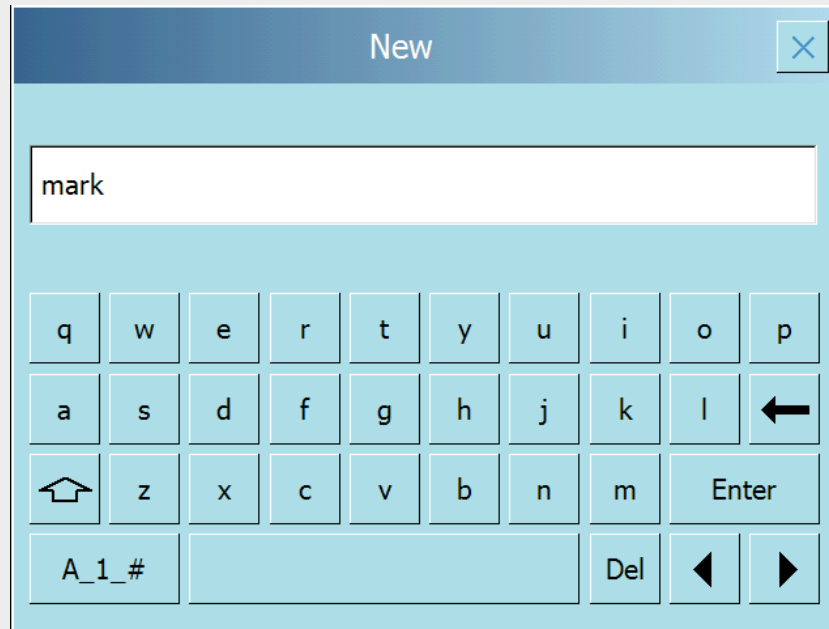
Touch screen key sensor parameters setting

Bel Engineering
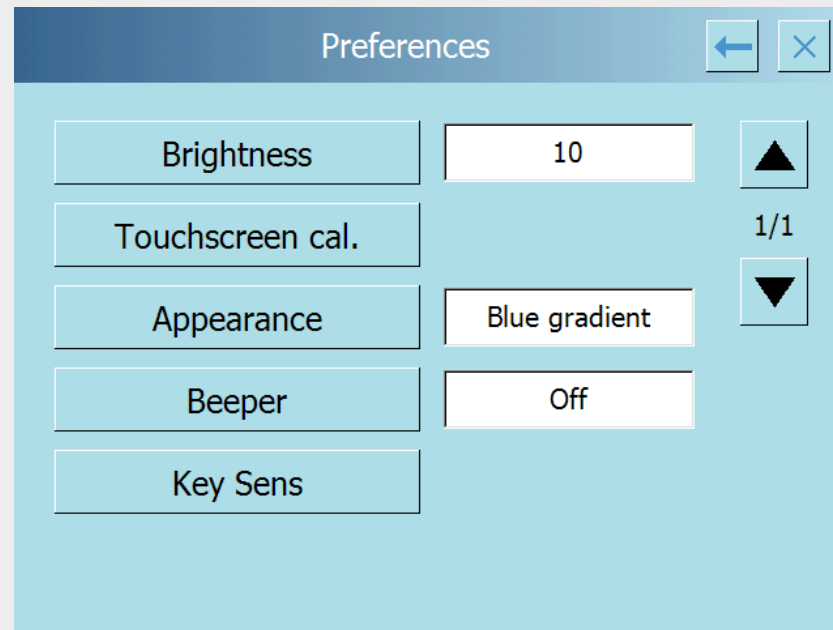
Orange gradient/green gradient appearance

Bel Engineering
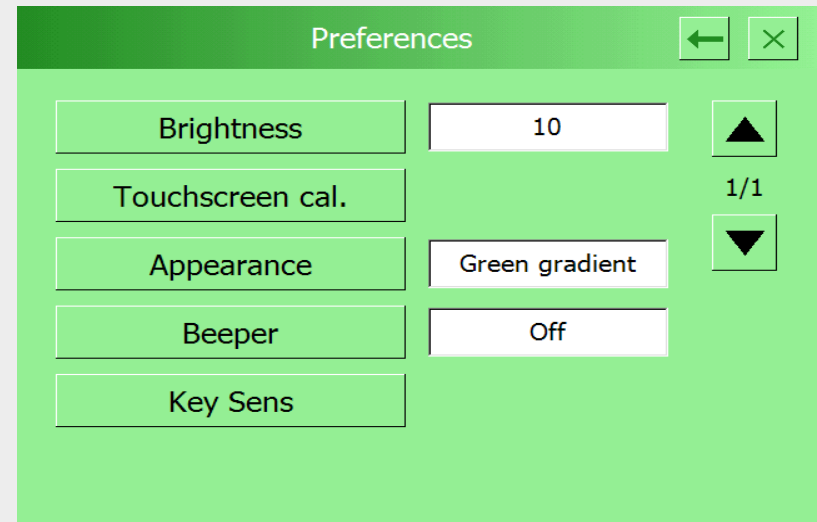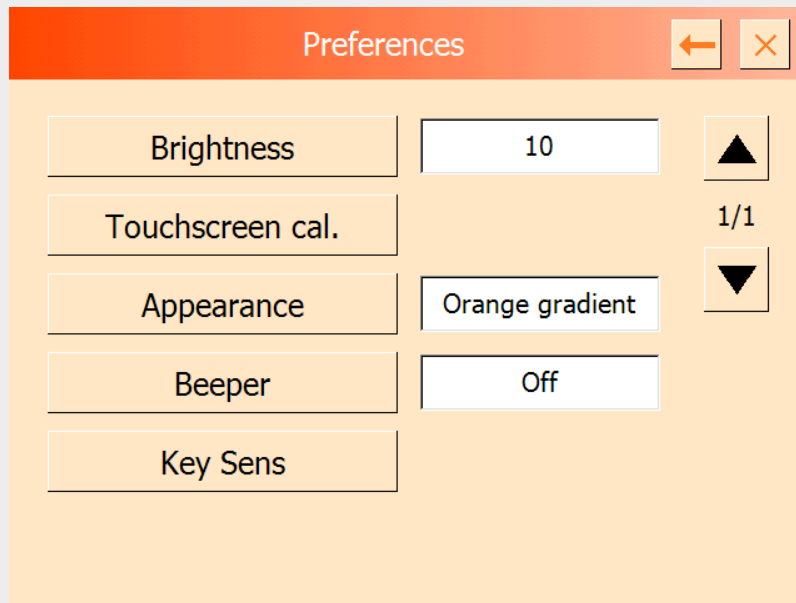
Key sensor function setting

Bel Engineering

Date-time setting

Bel Engineering

Language selection

Drying menù

- Push start to enter moisture determination screen.
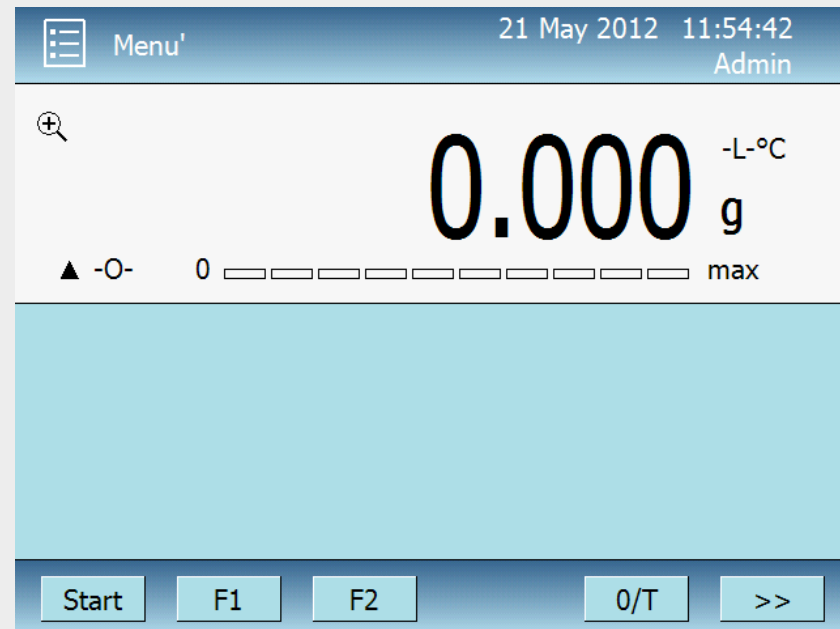
Program setting manual or from database
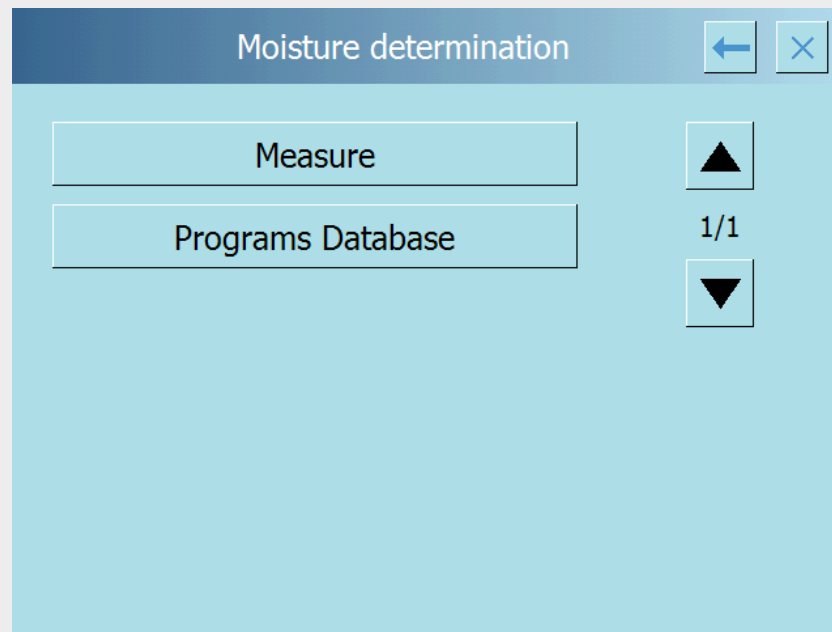
Setting parameters for drying

Bel Engineering

Drying process

Heating mode

- Standard
- Fast
- Ramp
- Steps max 3
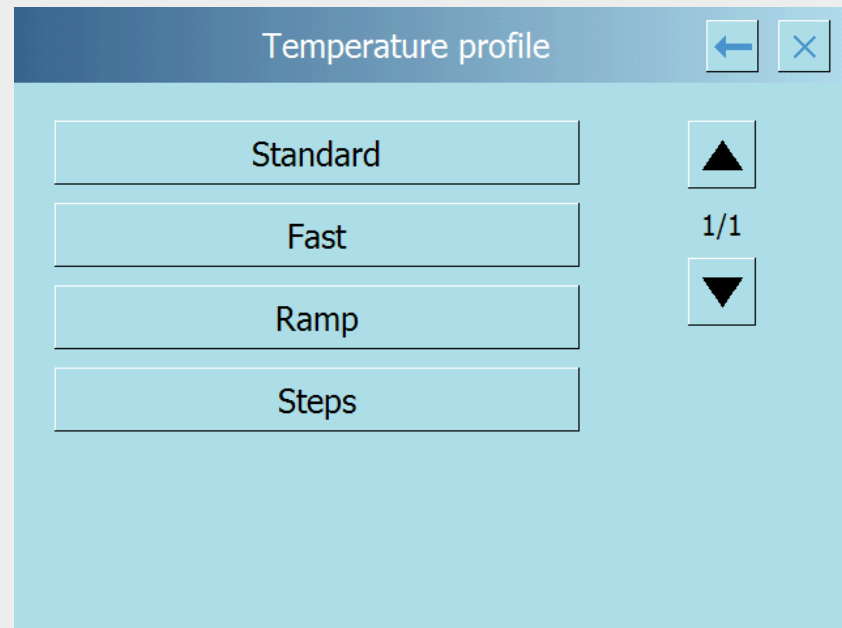
Heating modes parameters setting

- **Ramp mode**

Ramp		
Temperature	35°C	▲
Time	1 min	1/1
Ok		▼

- **Steps mode**

Steps		
Level T1	35°C	▲
Time t1	10 min	1/1
Level T2	35°C	▼
Time t2	10 min	
Level T3	35°C	
Ok		

Bel Engineering

Drying end mode

Drying end

Manual

Time

Autostop %

Autostop absolute

1/1

Bel Engineering

Manual or time setted drying end

- **End the drying process any time.**

- **End the drying process and at setted time.**
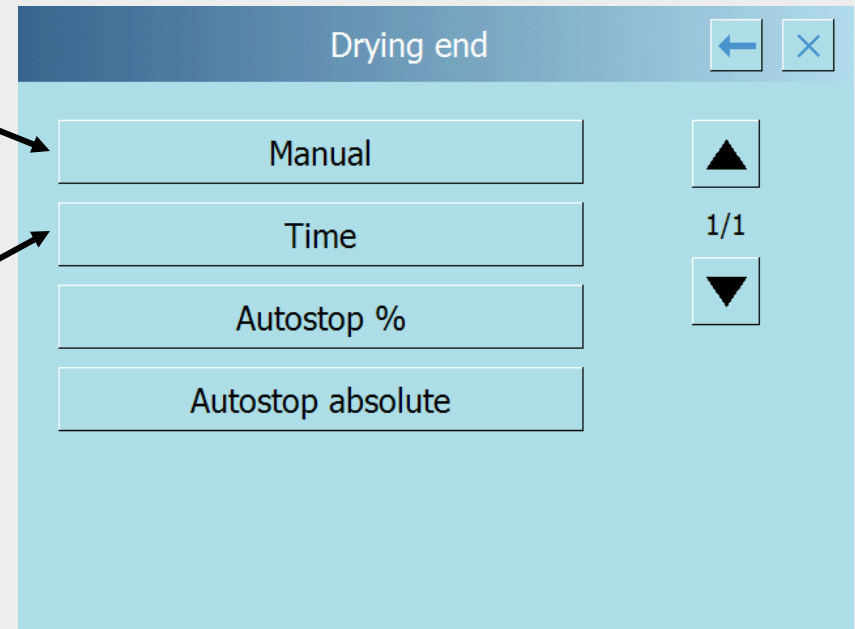
Autostop drying

Bel Engineering

Pre-heating

- Option to preheat the oven before drying process starting
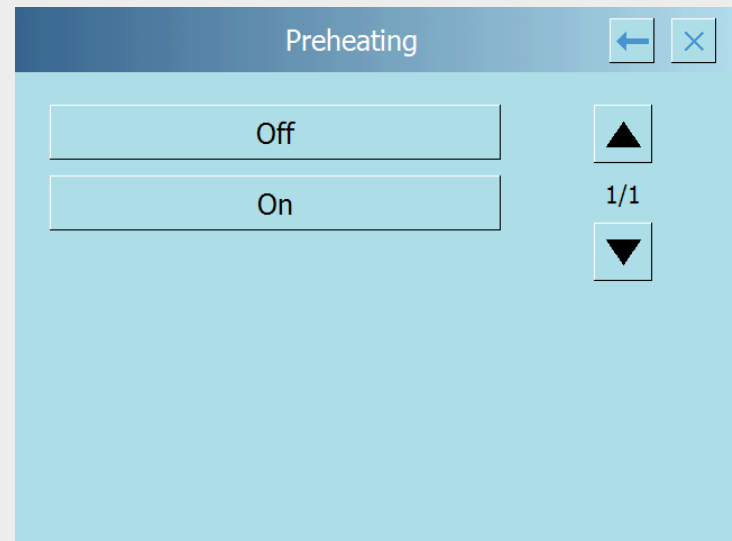
Sample nominal weight and tolerances setting

Drying analysis results format display
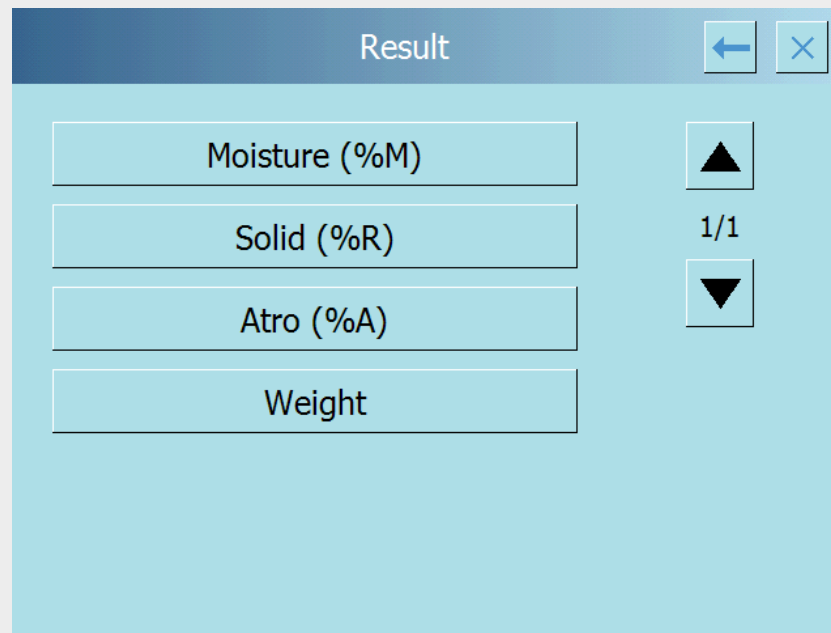
Drying process parameters setted display

Bel Engineering
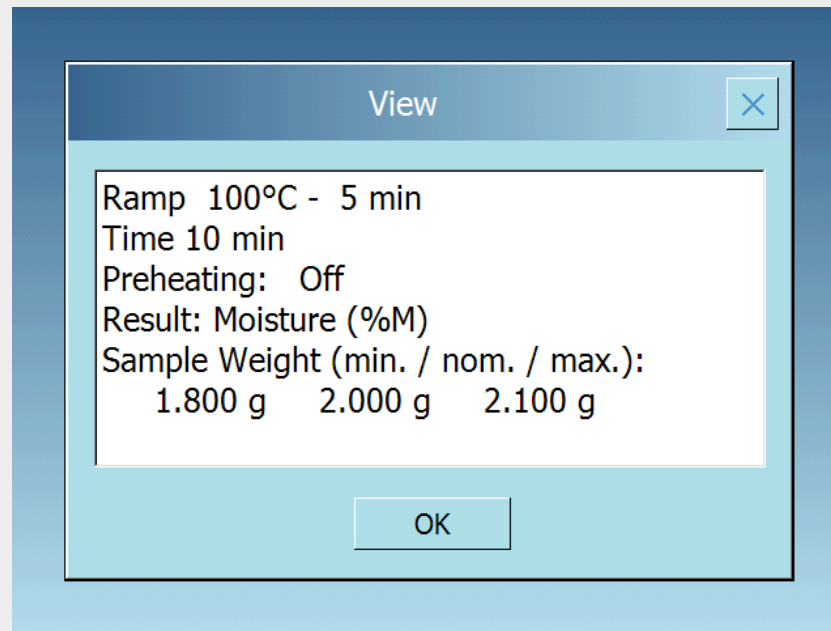
Database option

- Import-export-store a database
- Recall drying process from balance memory
- Printing of a database

Moisture determination	←	×
Selection by name	▲	
Selection list	1/1	
New	▼	
Edit		
Delete		
Print		
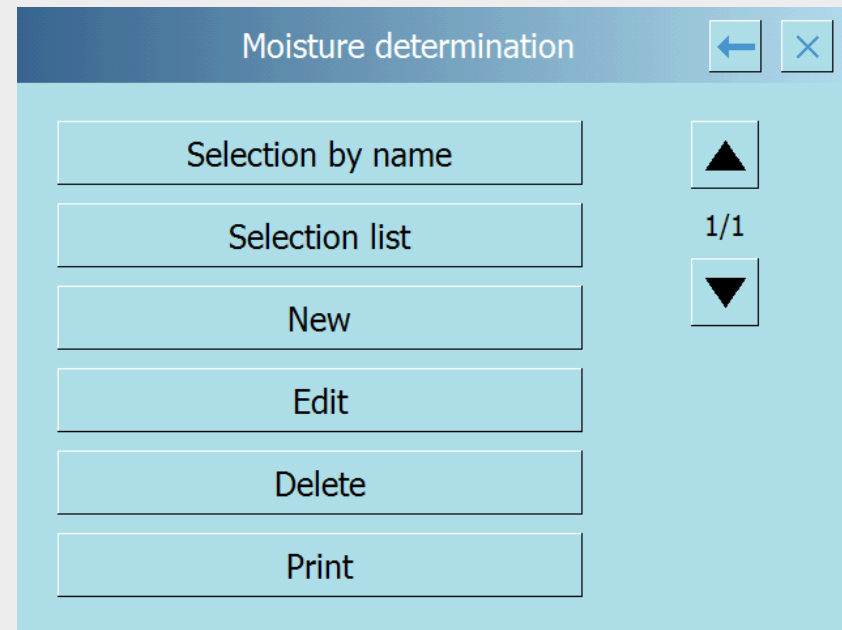
Items selection

- From list.

- By name

Bel Engineering
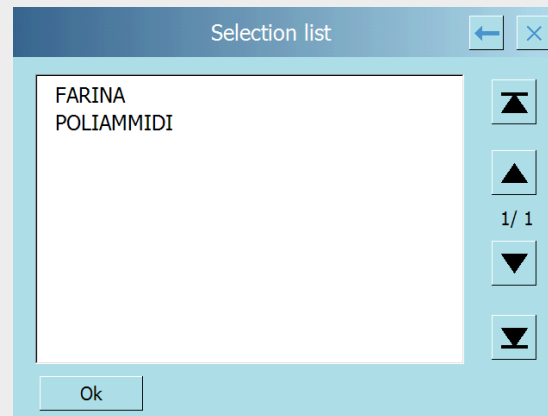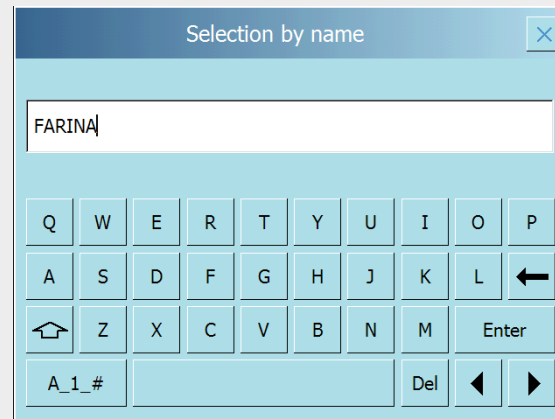
Drying process parameters of the item after selection by list or by name

■ Press "**Ok**" key to start the process

FARINA

Description:
TIPO 00

Temperature profile:
Standard 115°C

Drying end:
Autostop absolute 1mg / 25 s

Preheating:
On

1/2

Ok

FARINA

Weight Min. - Nominal - Max.:
2.800 g   3.000 g   3.200 g

Result:
Moisture (%M)

Rapid Key
F2

2/2

Ok

Bel Engineering

Drying analysis

■ **Fast access to programs selected from database and stored in F1-F2 or F3**

Bel Engineering
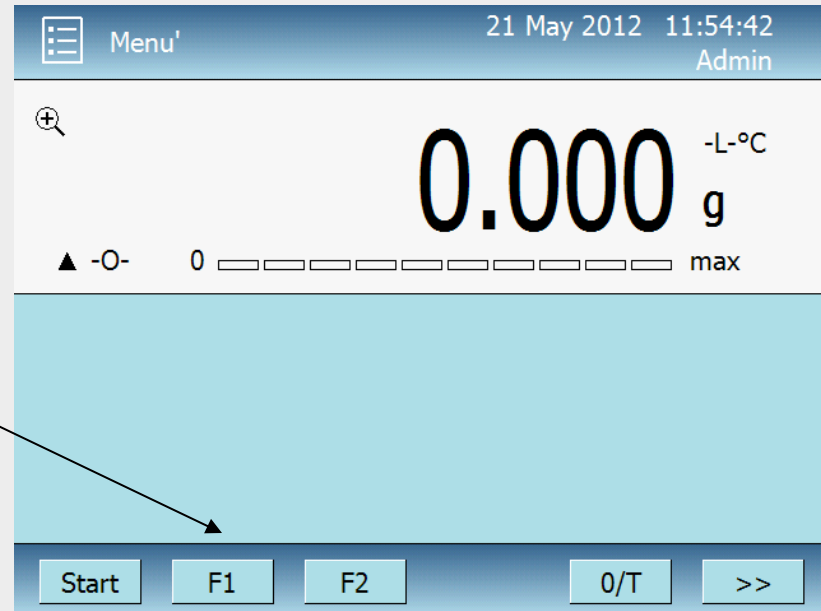
Display of the program stored

■ Fast start of the drying analysis pushing "**Ok**"

FLOUR

Description:
TYPE 00

Temperature profile:
Standard 115°C

Drying end:
Autostop absolute 1mg / 25 s

Preheating:
On

1/2

Ok

Loading sample on the plate
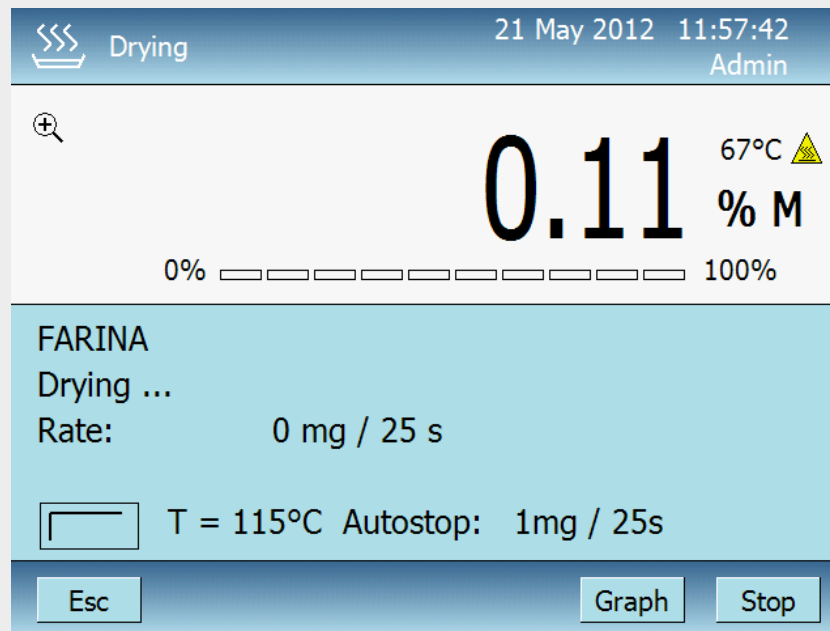
■ Messages on the display to start

Bel Engineering

Drying start

Bel Engineering

Parameters setted

Product

Drying rate

Heating mode

Drying mode

		24 May 2012 10:35:11
Drying		Admin

0.06 % M 109°C

0% ▭▭▭▭▭▭▭▭▭ 100%

FLOUR
Drying ...
Rate: 0 mg / 25 s

☐ T = 115°C Autostop: 1mg / 25s

Esc   Graph   Stop

Bel Engineering

Drying graphic

- Moisture
- Solid
- Atro

Bel Engineering
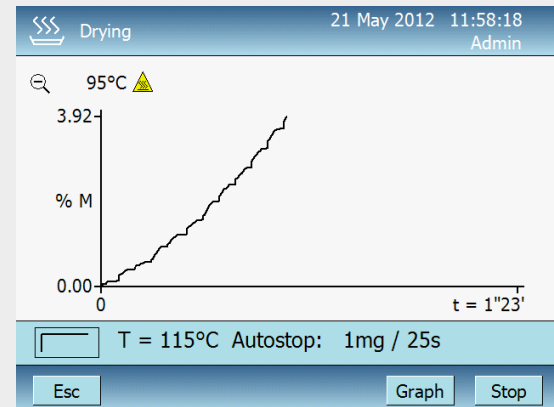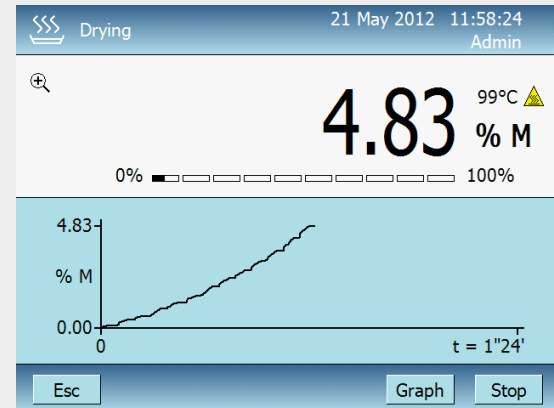
Drying end

- **Push print for date**

- **Push print for graphic**

- **Push restart to start another drying analysis**

Bel Engineering
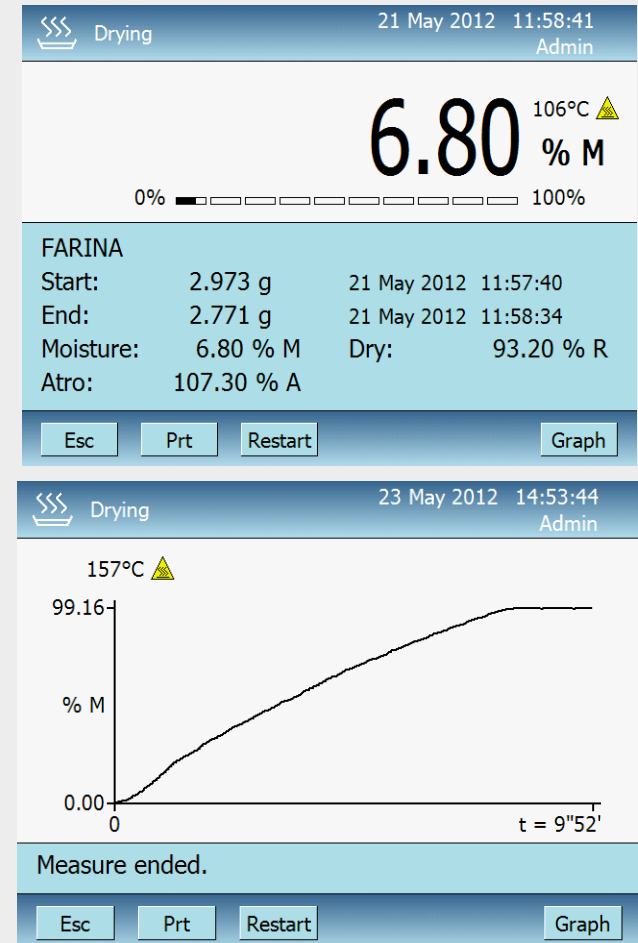
G.l.p. function

GLP

GLP Setup

GLP Database

1/1

GLP Setup

ID Balance:

ID Project:

1/1

ID User:

Ok

Bel Engineering

And finally, your benefits

- Fast learning use.
- Increase productivity in the laboratory quality control
- Display of all parameters of drying in real time
- Quick entry database via keyboard displayed on the touch-screen monitor
- **BEL** tablet windows CE os based

BEL ENGINEERING