prepSTATION

Operating Instructions

Precisa

■ The Balance of Quality ■

350-8160-000

Identification

The present operating instruction shows how to work with Precisa prepSTATION. For detailed information about handling the balance, prepASH or prepDATA refer to manuals of these instruments.

English

Customer service

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1   Overview
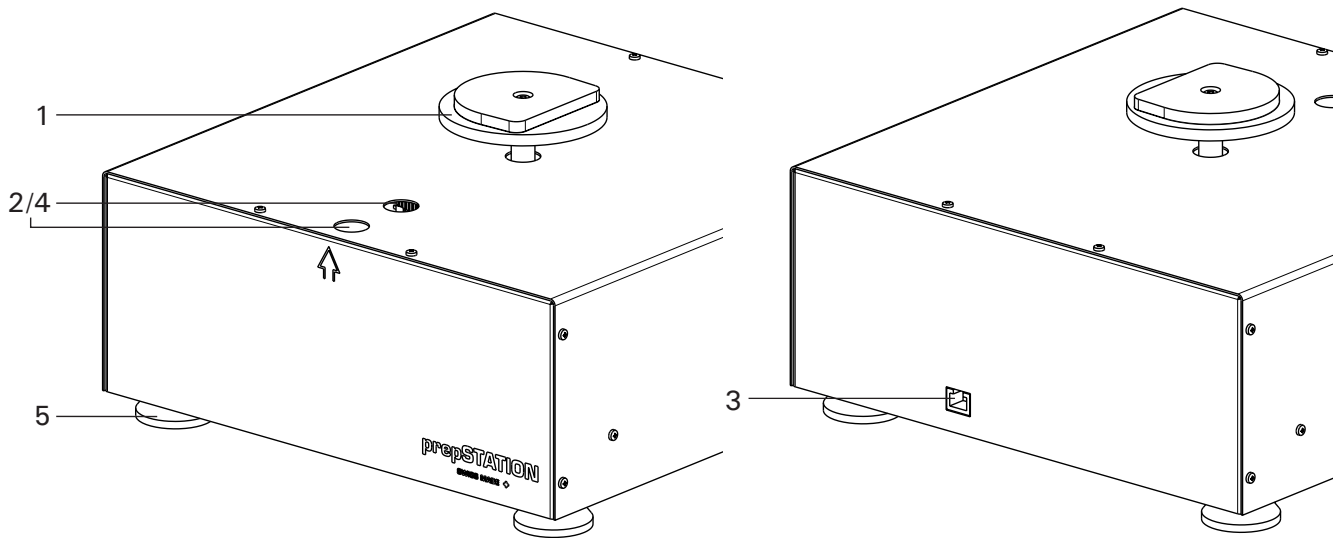
1.1   Overview prepSTATION rotary unit

No.	Description	Section / Page	No.	Description	Section / Page
1	prepSTATION rotary unit		4	Point of reference for crucible position	
2	Sensors for crucible detection		5	Adjustable feet	
3	RJ45 connector for connection to Balance 360 EP		6		

1.2 Overview EP 120A
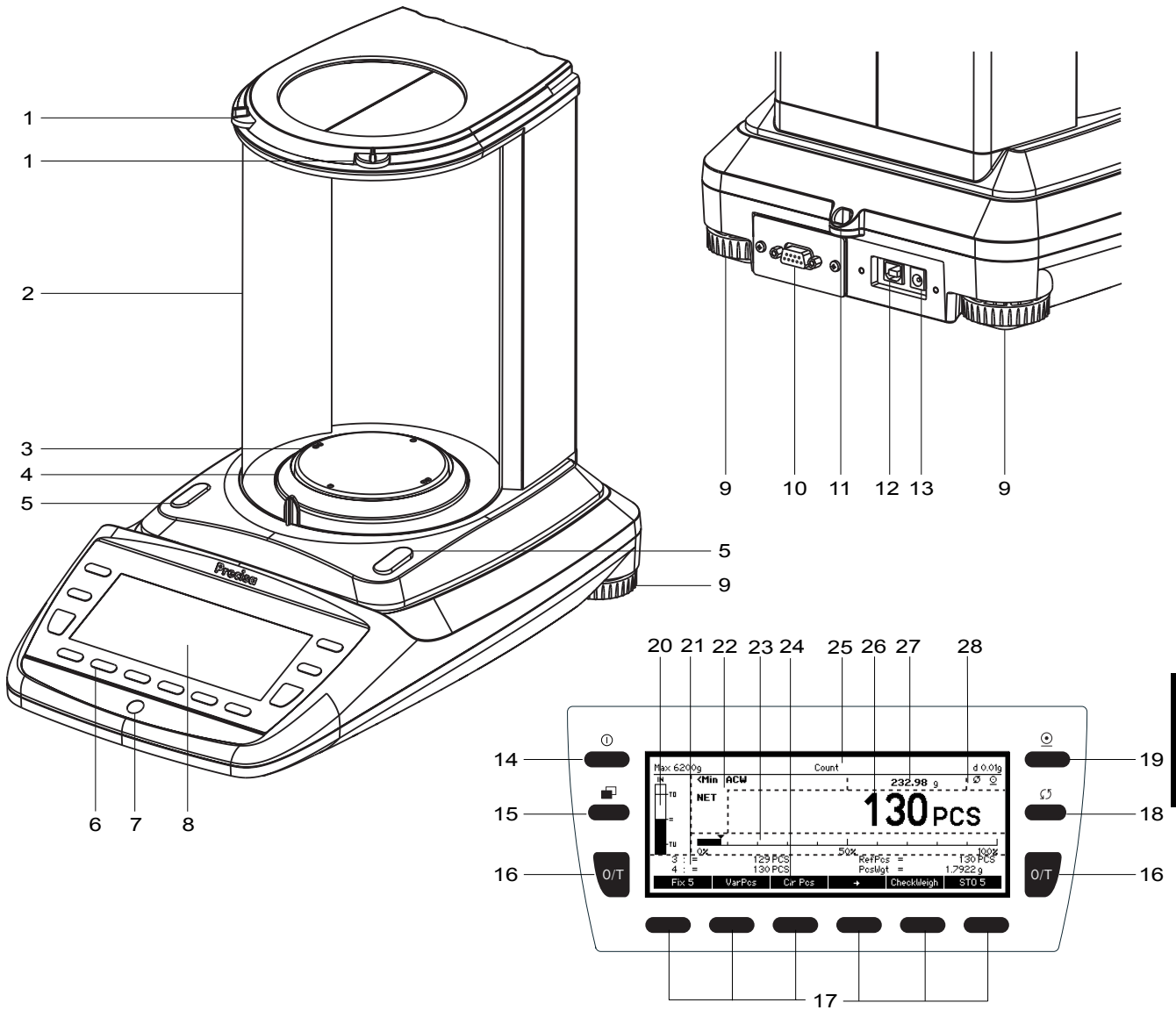
No.	Description	Section / Page	No.	Description	Section / Page
1	Top draft shield opening		14	On/Off key	
2	Draft shield		15	Menu key	
3	Weighing pan		16	Tare / Zero key	
4	Protective ring		17	Soft keys	
5	Sensor for side draft shield opening		18	Rotate key	
6	12-key control panel		19	Print key	
7	Levelling bubble		20	CheckWeigher	
8	Display		21	Info Page area	
9	Adjustable feet		22	Notice area	
10	Serial interface, DB9 socket		23	Capacity indicator	
11	Mechanical anti-theft protection		24	Function bar	
12	USB device connector for connection to PC		25	Headline	
13	Connecting socket for power adapter		26	Primary display	
			27	Secondary display	
			28	Activita area	

2   Inspection, assembly

Inspect delivery for complete supply immediately on unpacking all components.

	Components supplied
	• prepSTATION • Date cable RJ45 / 0.7 m • Balance • Weighing pan • Pan holder • Protective ring • Draft shield • Power adapter and USB cable balance to PC • Protection-cover for the balance or display • Short instructions • Security card • Conformity note • CD with operating instructions
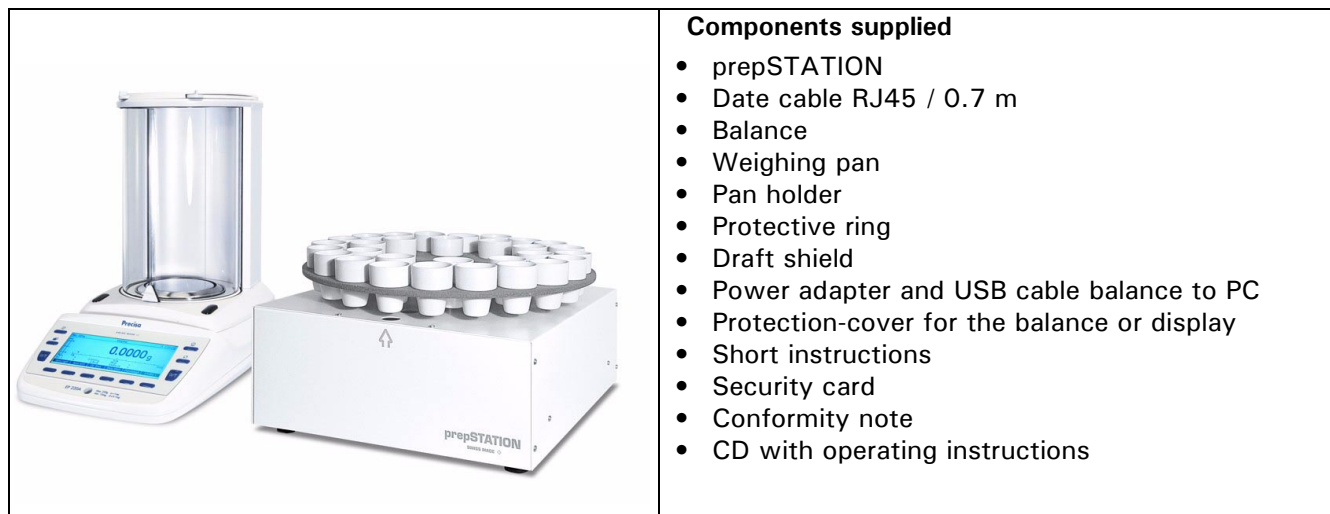
The balance is delivered in partly dismantled condition. Assemble the individual components in the following sequence:

• Install the draft shield as well or the protective ring with the two screws supplied

• Place the weighing pan in position

• Insert the power adaptor cable plug into the socket at the rear of the balance

❗ **NOTE**
A screwdriver is required for assembly.
All parts must fit together easily. Do not apply force. Customer Service will be pleased to help you with any problems.

3   Connection

• Connect the balance with prepSTATION with Date cable RJ45 / 0.7 m

• Connect your PC with the EP120A balance with USB cable

• Connect you PC with local network

• Make sure that prepASH is properly connected to the local network as well.

4   Accessories

Accessories for the prepSTATION and prepASH	**Article number**
Crucible-tweezers	PN 3950-099
Crucible-tweezers for crucible-lid handling	340-7090
Sample tray holder	340-8012
Turn-table for 29/19 samples, "Volatiles" for prepASH 229 and prepASH 219	340-4064
Turn-table for 29/19 samples, SiC for prepASH 229 and prepASH 219	340-4014
Turn-table for 12 samples, SiC for prepASH 229, prepASH 219 and prepASH 212	340-4072
Crucible, silicate ceramic, set of 5 pieces use with turn-table 29/19	340-8030
Crucible, AI203, 5 pieces use with turn-table 29/19	340-8031
Crucible for use with lid AI203, set of 5 pieces use with turn-table 29/19 and crucible-lid 340-8033	340-8032
Crucible-lid, AI203, set of 5 pieces use with turn-table 29/19 and crucible 340-8032	340-8033
Standard Crucible, silicate ceramic, set of 5 pieces use only with turn-table 12 and adapter 340-8035	340-8034
Adapter for standard crucible, silicate ceramic, set of 5 pieces use only with turn-table 12 and standard crucible 340-8034 or other crucible available from the market	340-8035
Accessories for the balance	
Draft shield 360 automatic for 0.01mg and 0.1mg balances, height 180mm	350-8658
Draft shield 360 manual for 0.01mg and 0.1mg balances, height 260mm	350-8659
Draft shield 360 manual for 0.01mg and 0.1mg balances, height 180mm	350-8660
Data cable DB9 Male / DB9 Female (PC), 1.5m	350-8672
Data cable DB9 Male / DB25 Male (Printer), 1.5m	350-8673

English

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English

5 Weighing-in of the sampels

5.1 How to open prepSTATION application on the balance

• Press «**ON/OFF**» to switch on the balance.

• Hold «**MENU**» to switch the home screen.

• Scroll the screen until you find the „prepSTATION" icon.
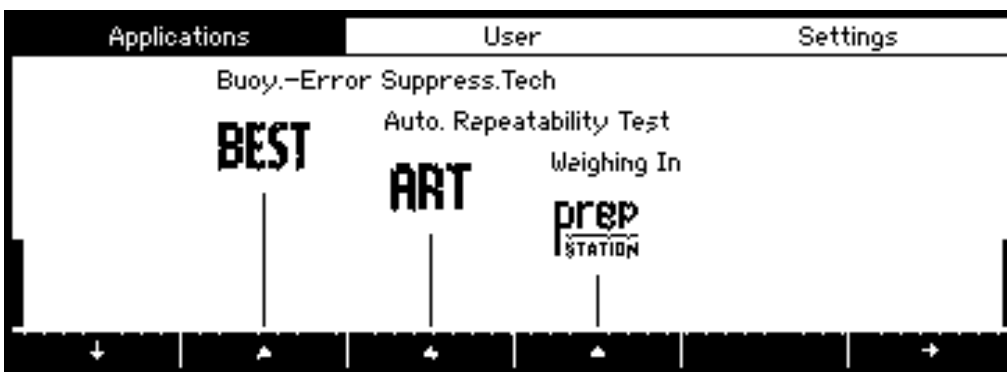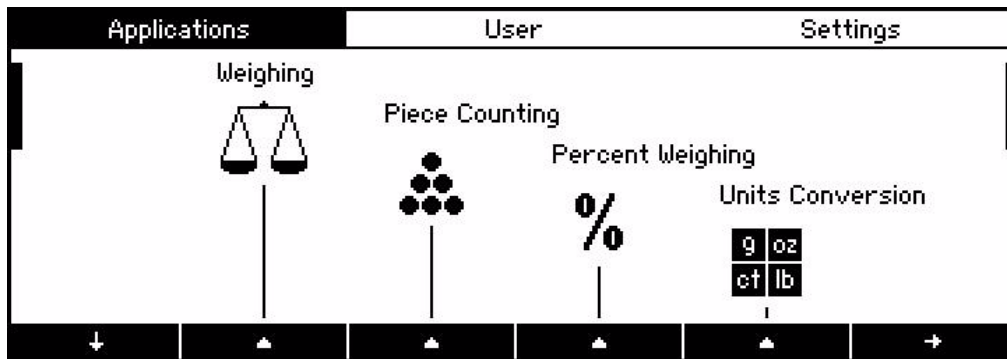
• Press the switch {▲} below the prepStation icon.
  The prepSTATION application screen will appear..
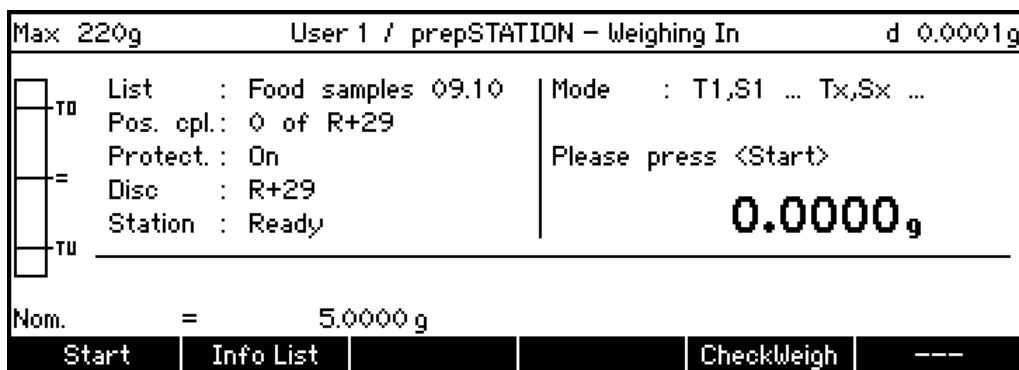
Lines	Description
List	Name of the current Sample list
Pos. cpl	Number of positions
Protect.	Protection on/off
Disc	Disc type (12, 19 or 29)
Station	Connection status (Connected / Not Connected)
Mode	Order of Tare and Net measuring

Soft key	Description

Start	Start weighing-in
Info	Info about device, software and sample list
Go to Pos.	Unused
CheckWeigh	Check-weigher application

Load sample list on the prepSTATION with a help of prepDATA program.

For more information about loading sample list look at chapter "Preparation of the sample list".

For starting the weighing-in process push the Start key on the prepSTATION application screen.

The following screen appears. .

```
Max 220g          User 1 / prepSTATION – Weighing In       d 0.0001g

         List     : Food samples 09.10 | Tare    =
    TO   Position : R    Actual: --    | Sample  =
         Name     : Reference          | Go to reference R, <OK>
    =    Ident.   : –
         Group    : –                  |           0.0000 g
    TU

Nom.          =        5.0000 g
     Quit    |    K–    |    –>|    | Info List | CheckWeigh |    OK
```

Soft key	Description
Quite	Quits an input without saving the changes
Info List	Information about the sample list
CheckWeigh	Check-weigher application
<-- and -->	Positioning keys
OK	here. Go to the recerence R

The weighing-in process always starts with the position calibration of the disc position. Press **{ok}** to calibrate.   The disc rotates to reference position R. Take that crucible and put it on the weighing pan.

Then press **{assume}** and put the crucible back.

```
Max 220g          User 1 / prepSTATION – Weighing In       d 0.0001g

         List     : Food samples 09.10 | Tare    =        20.3666 g
    TO   Position : R    Actual: R     | Sample  =        20.3666 g
         Name     : Reference          | Put crucible back
    =    Ident.   : –
         Group    : –                  |         20.3666 g
    TU

Nom.          =        5.0000 g
     Quit    |    K–    |    –>|    |    ➔    | CheckWeigh |  Assume
```

The calibration is done. The lines "Position" and "Actual" both show an R. Press OK to move to the next position.

When the next position of the disc will arrive, take the crucible from the disc, put it on the weighing pan and press **{Assume}**

for tare.

Put in the sample and press **{assume}** to determin the weight of the sample.

```
Max 220g          User 1 / prepSTATION - Weighing In          d 0.0001g
IN
   TO  List     : Food samples 09.10    Tare     =       20.3664 g
       Position : 1      Actual: 1      Sample   =
       Name     : Eggs SN01             Place Sample, <Assume>
   =   Ident.   : -                     NET
       Group    : 1                           5.3198 g
   TU
                                        _____
Nom.        =         5.0000 g
    ←      | Info List | Del.Measur |              | CheckWeigh |  Assume
```

```
Max 220g          User 1 / prepSTATION - Weighing In          d 0.0001g
IN
   TO  List     : Food samples 09.10    Tare     =       20.3664 g
       Position : 1      Actual: 1      Sample   =        5.3198 g
       Name     : Eggs SN01             Put crucible back
   =   Ident.   : -                     NET
       Group    : 1                           5.3198 g
   TU
                                        _____
Nom.        =         5.0000 g
    ←      | Info List | Del.Measur |              | CheckWeigh |   ---
```

Then put the crucible back in the disc. Repeat these steps for all the samples.
You can manually change the sample by pressing the positioning keys **{| <--}** and **{--> |}**.
When all positions are weighed, send the list to prepDATA by pressing **{OK}** key.

```
Max 220g             User 1 / prepSTATION                     d 0.0001g
   TO  List     :Food samples 09.10     Tare     =       20.3666 g
       Position :R      Actual: --      Initial  =       20.3666 g
       Name     :Reference              SEND List, <OK>
   =   Ident.   : -                     NET
       Group    : -                          -0.0002 g
   TU
Nom.        =         5.0000 g
    Quit    |   |<-   |   ->|    |    ←    | CheckWeigh |   OK
```

Now your sample list is saved on the prepASH and you can start your moisture and ash analysis.

5.1.1 Deleting measured values

You can delete measured value of a sample and repeat the weighing-in. Select therefore the relevant sample with a help of positioning keys {| <--} and {--> |}. Then press {➡}.

```
Max 220g              User 1 / prepSTATION – Weighing In        d 0.0001g
┌──┐
│  ├TD   List     : Food samples 09.10  │ Tare    =       20.3664 g
│  │     Position : 1      Actual: 1    │ Sample  =        5.3198 g
│  ├=    Name     : Eggs SN01           │ Next position, <OK>
│  │     Ident.   : –                   │
│  ├TU   Group    : 1                   │        0.0000 g
└──┘                                    │
Nom.        =       5.0000 g
┌──────────┬─────────────┬────────────┬──────────┬──────────────┬────────┐
│     ←     │  Info List  │  Del.Measur │          │  CheckWeigh  │   OK   │
└──────────┴─────────────┴────────────┴──────────┴──────────────┴────────┘
```

Press {**Del.Measur**} to delete the Tare and Initial value of the sample.

```
Max 220g              User 1 / prepSTATION – Weighing In        d 0.0001g
┌──┐
│  ├TD   List     : ⊙                              │ 0.3664 g
│  │     Position :                                │ 5.3198 g
│  │     Name     :                                │
│  ├=    Ident.   :        Delete  measured  value ? │
│  │     Group    :                                │  000 g
│  ├TU                                             │
└──┘
Nom.        =       5.0000 g
┌──────────┬─────────────┬────────────┬──────────┬──────────────┬────────┐
│  Cancel   │             │            │          │              │  Yes   │
└──────────┴─────────────┴────────────┴──────────┴──────────────┴────────┘
```

Confirm deleting measured value with {**Yes**} or abort with {**Cancel**}.

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3 Application prepSTATION settings

• Hold «MENU» to switch the home screen.

• Switch the icon „prepSTATION" by pressing **{▲}** .

• Press shortly «MENU» to switch the context menu.

```
┌─────────────────────────────────────────────────────────┐
│        prepSTATION — Weighing In                    1/2   │
├─────────────────────────────────────────────────────────┤
│     List write-protect.      ▐On▌                         │
│     Mode                      T1,S1 … Tx,Sx …             │
│  *  CheckWeigher              Define                       │
│     Min. sample weight        Define                       │
│     Identification            Define                       │
│     Soft keys                 Define                       │
├──────┬───────┬───────┬───────┬───────┬───────────┤
│  ESC │   ←   │   →   │   ↑   │   ↓   │     ↵      │
└──────┴───────┴───────┴───────┴───────┴───────────┘
```

```
┌─────────────────────────────────────────────────────────┐
│        prepSTATION — Weighing In                    2/2   │
├─────────────────────────────────────────────────────────┤
│     Info fields              ▐Define▌                     │
│     Protocol                  Define                       │
│     Properties                Show                         │
│                                                           │
│                                                           │
│                                                           │
├──────┬───────┬───────┬───────┬───────┬───────────┤
│  ESC │   ←   │   →   │   ↑   │   ↓   │     ↵      │
└──────┴───────┴───────┴───────┴───────┴───────────┘
```
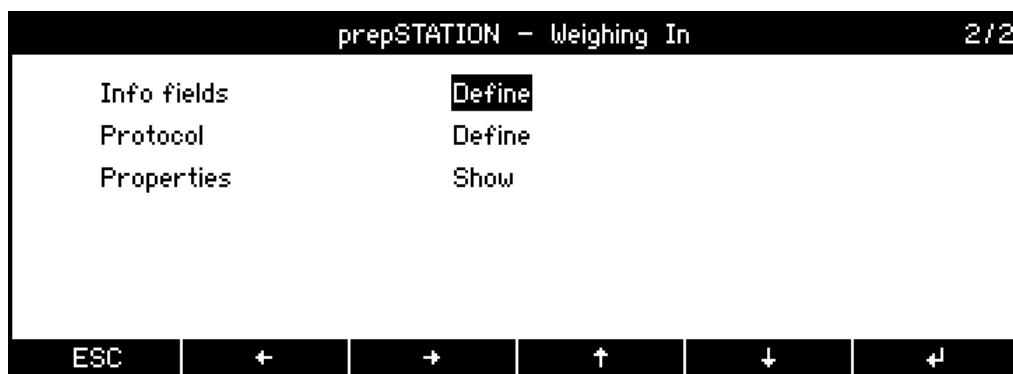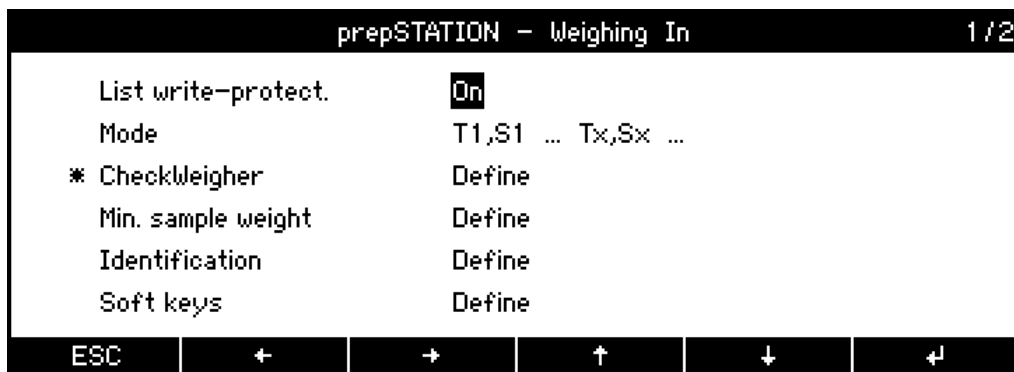
List write-protect:

Protection of the samples list enabled/disabled

Mode:

Mode for taring and weighing of the samples

CheckWeigher: On / Off
CheckWeigher enabled/disabled

Min.sample weight:

Displays minimal sample weight according to current tare range

Soft keys:

The utility Soft keys allows you to assign functions to soft keys.

Info fields:

Available info fields (quadrants) for displaying information on the info pages

Protocol:

General settings for the protocol/printout

Properties:

Display and printout of all configuration settings

5.1.2 Setting Check-Weigher

Press **{CheckWeigh}** key to open CheckWeigher screen.

The CheckWeigher is to check each measurement for its agreement with a defined reference value, plus/minus

allowable deviations. In the display the „check weigher info" is active and indicates if the measured value lies within the specified tolerances TO and TU.

```
      prepSTATION — Weighing In — CheckWeigher
   CheckWeigher        On
   Nominal             5.0000 g
   TO                  6.0000 g
   TU                  4.0000 g
   Limit type          Weight
   Acoustic signal     Off

   ESC                          ↑        ↓        ↵
```

CheckWeigher: On, Off
CheckWeigher enabled/disabled
Nominal: 5.0000 g
Nominal weight
TO: 6.0000 g (or 2.5%)
Over limit according to the application as weight in the basic unit, in percent or in pieces
TU: 4.0000 g (or 2.5%)
Under limit according to the application as weight in the basic unit, in percent or in pieces
Limit type: Percent, Weight, Pieces
Limits TO/TU according to the application as weight in the basic unit, in percent or in pieces
Acoustic signal: On, Off
Acoustic signal for acoustic indication

For detailed information about the CheckWeigher Appllication refer to EP 360 user manual (12.2.1 Power Function: CheckWeigher).
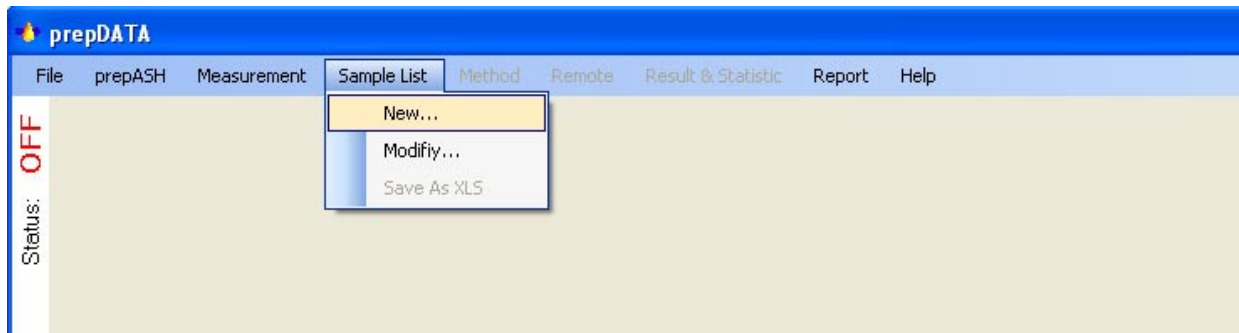
English

6 Preparation of the sample list

6.1 Create/Open a sample list

Start prepDATA prorgam
5.1.1 Create new sample list.
To create new samples list press on Menu "Sample List"and choose "New…"
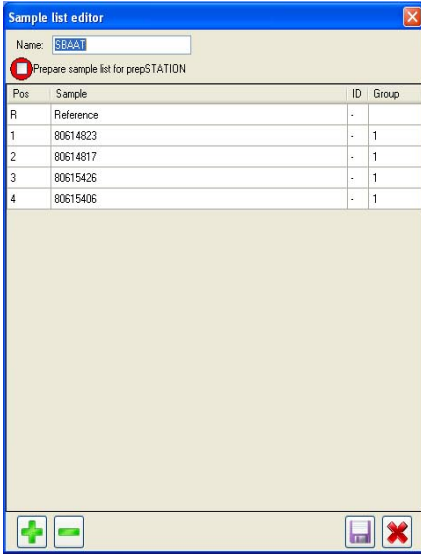

Enter the name of the sample list and names for all the samples.
Enter the ID for each sample and group your samples, if necessary.
You can add and delete sample position with "+" and "-".

Save your sample list pressing "Save".
"Sample list saved on the prepASH".

5.1.2 Select "Open…" to open a sample list from the connected prepASH.
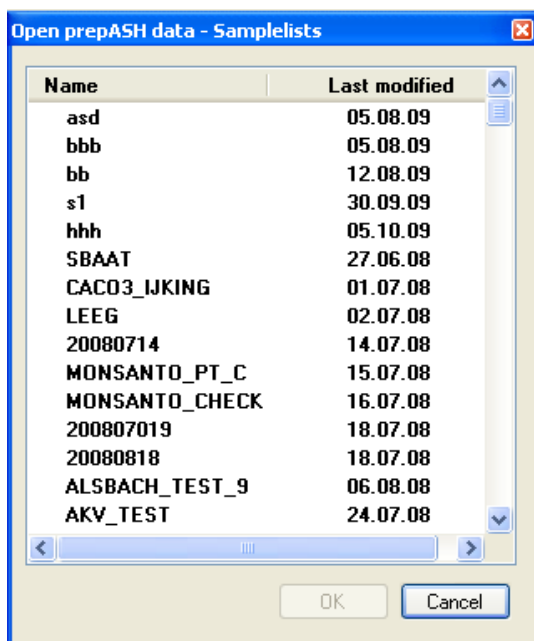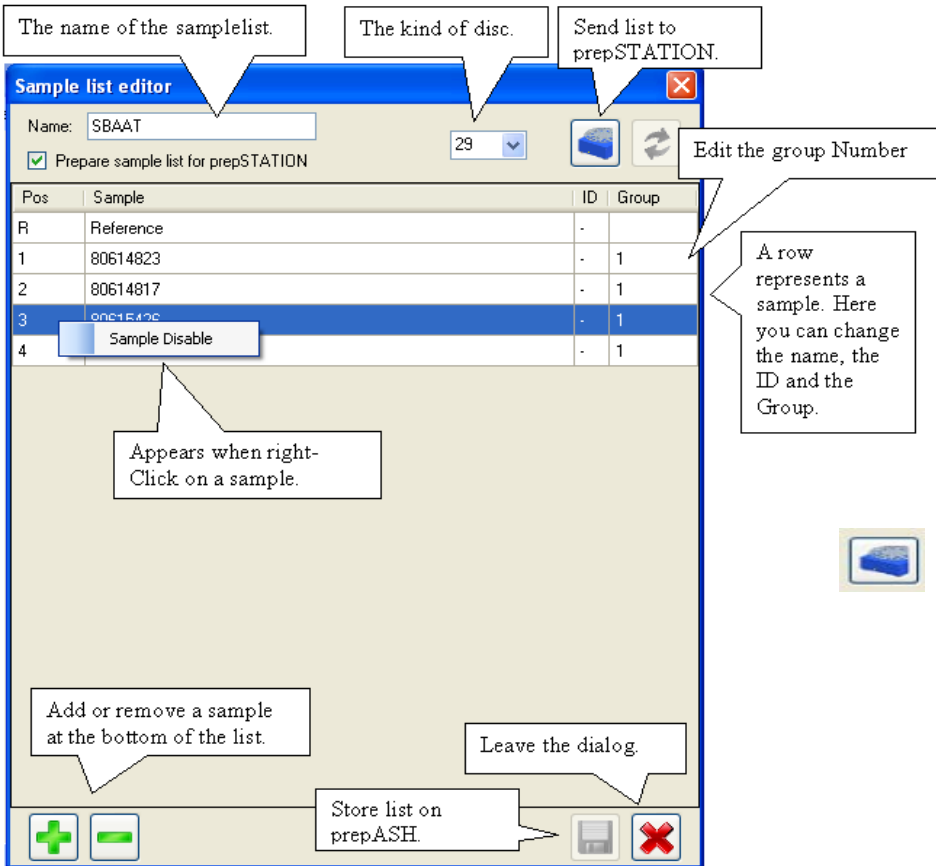

"Open prepASHData – Sample List" Window will appear.

6.2   Editing a sample list

Open the sample list.
You can edit the sample list as shown on the picture below.

The name of the samplelist.

The kind of disc.

Send list to prepSTATION.

Edit the group Number

A row represents a sample. Here you can change the name, the ID and the Group.

Appears when right-Click on a sample.

Add or remove a sample at the bottom of the list.

Leave the dialog.

Store list on prepASH.

6.3   Send the Sample list to the prepSTATION

1. When the sample list is ready press the send button to send to the balance

2.The sample list window closes and at the right bottom corner appears the prepSTATION Information.
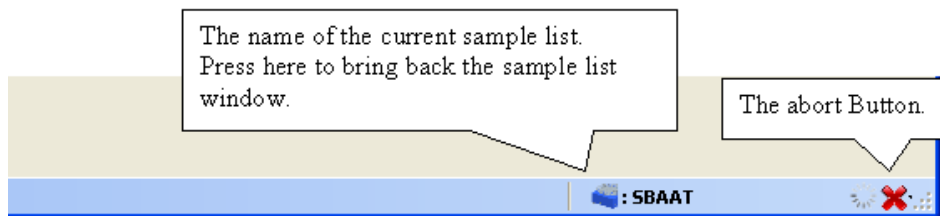
6.4   Monitoring a current weighimg-in progress

If a sample list was sent to the prepSTATION balance you have the possibility to monitor the weighing-in progress.
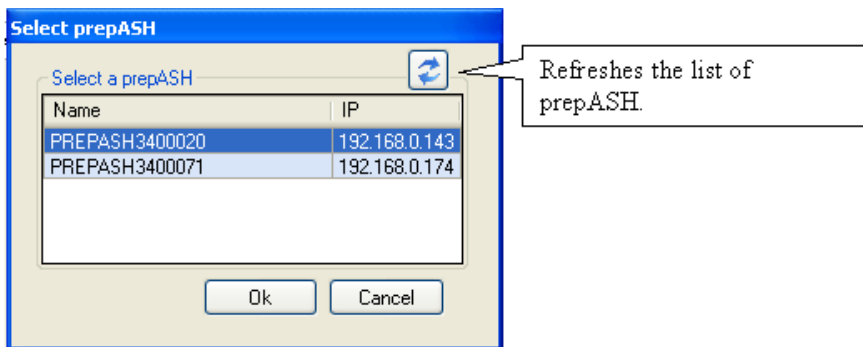For this press "i".

6.5   Saving the Sample list

If the weighing-in process on the balance was finished properly, the window will appear again in the prep-DATA.   The store button is active.
1.Press the store button to save the sample list.

2.In the new window select the prepASH you like to store the Sampel list. And press "OK".

6.6   Error Messages

6.6.1   No Sample list on prepSTATION. Try again.

prepDATA tries to read a sample list from the prepSTATION with no sample list stored.

6.6.2   Weighing-in was aborted by user.

Weighing-in Process was aborted by user. Cancel or abort was pressed.

6.6.3   prepSTATION Application doesn't run on prepSTATION. Start Application, then re-try.

prepDATA tries to send a sample list, but the prepSTATION Application on the balance is not running.

6.6.4   Sending Sample list to prepSTATION failed.

An Error occurred while trying to send a sample list to the prepSTATION. For more Information read the additional text.

6.6.5   The Reference sample is missing. Cannot read a Sample list.

When reading the sample list from the prepSTATION, the "Reference" Sample was not transmitted. This result in a incomplete sample list. Current task is aborted.

6.6.6   Error when transmitting Line [Number], Name or state

Communication Error when sending a sample to the prepSTATION.
Possibly a Acknowledge Error.

6.6.7   Could not create directory, to store Weighing-in Sample list.

The prepDATA cannot create a necessary directory to store the WeightIn sample list.

English