

prepSTATION



Operating Instructions

■ *Identification*

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.

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■ 1 Overview

1 Overview

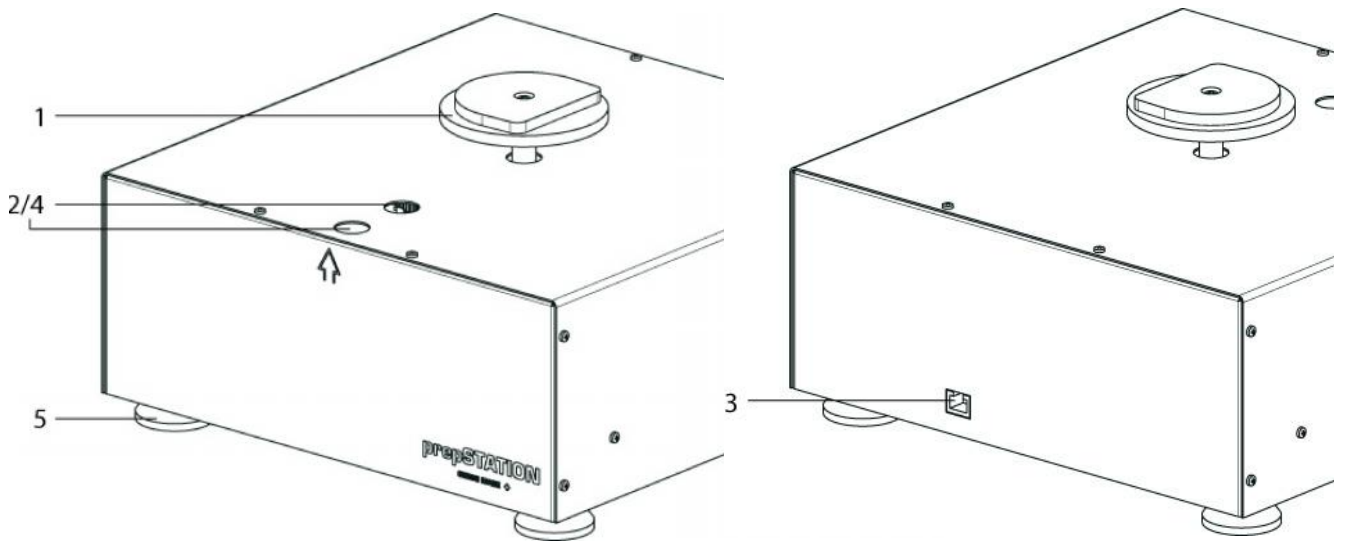
1.1 PC Requirements

prepSTATION and prepASH have to be connected with a PC.

System requirements:

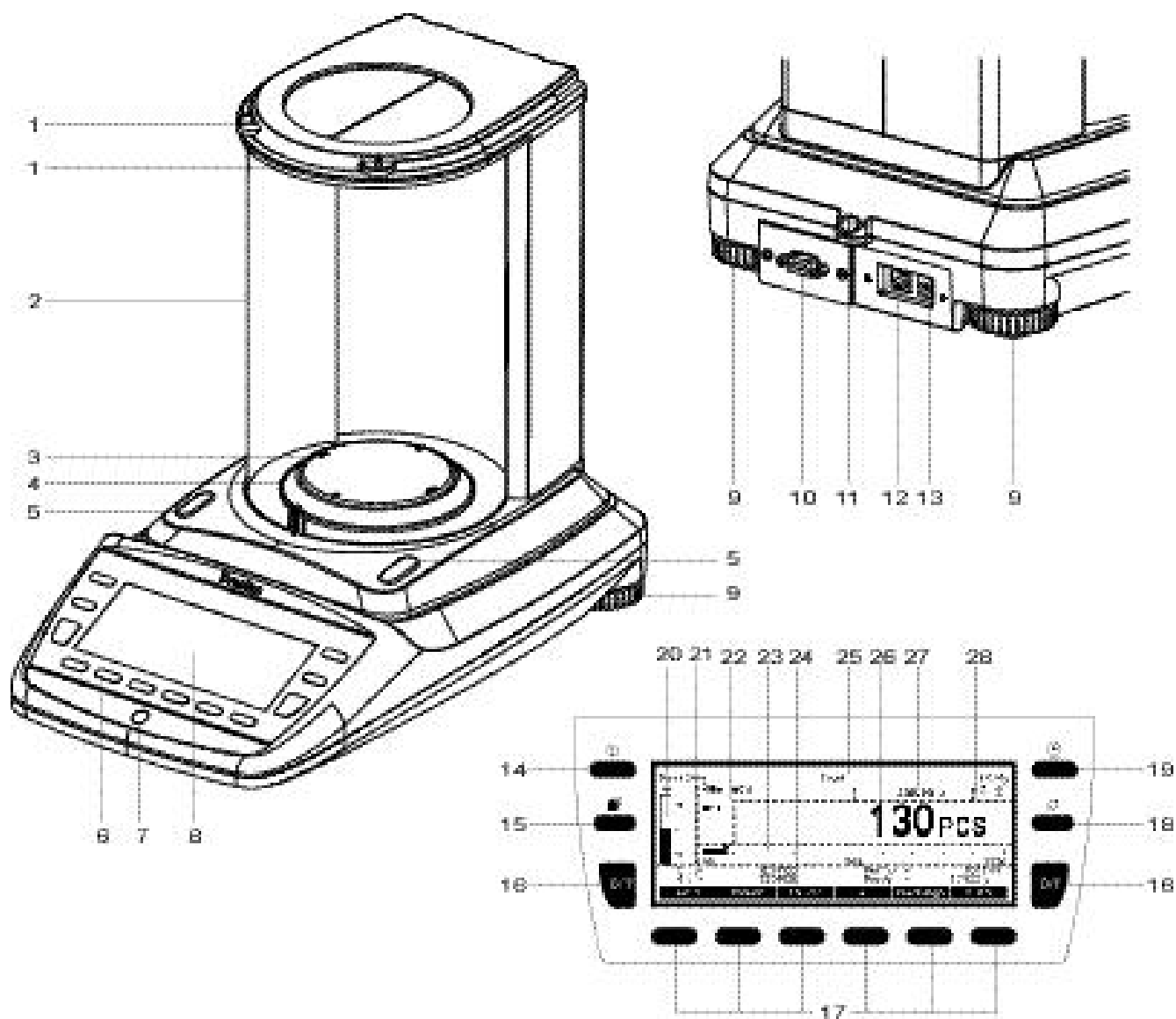
- USB, RJ45
- Windows XP, 7, 8 32/64 or 10
- Microsoft Office (Excel)
- prepDATA-Software
- VCP driver from FTDI, VCP stands for Virtual COM Port
- PC has to be on the same subnet as the prepASH

1.2 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		

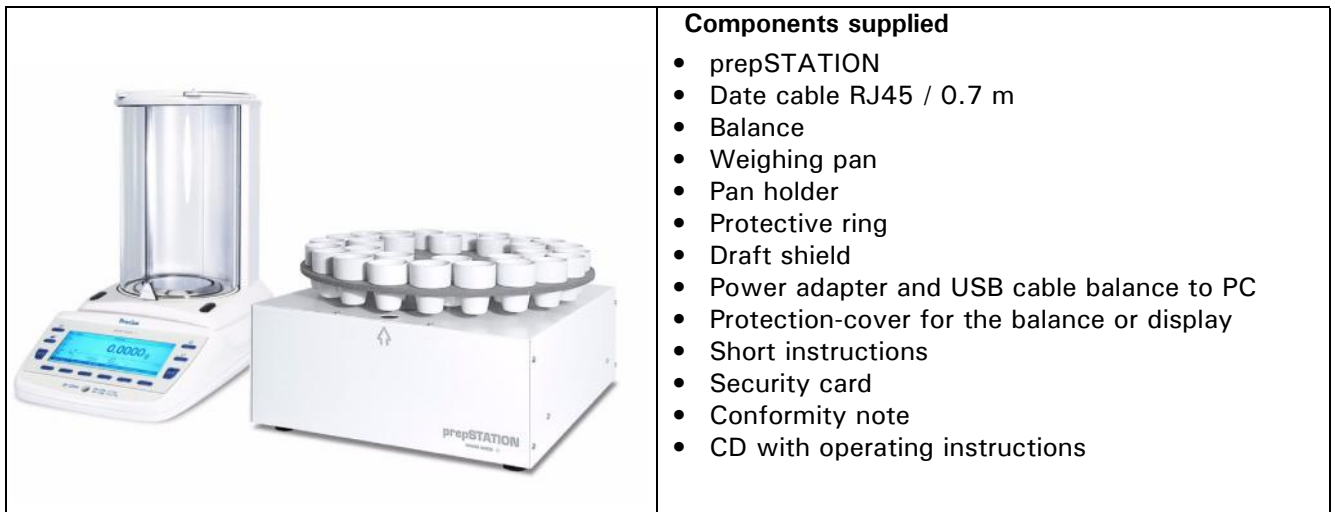
1.3 Overview EP 120A



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.



The balance is delivered in partly dismantled condition. Assemble the individual components in the following sequence:

- Install the draft shield as well as 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

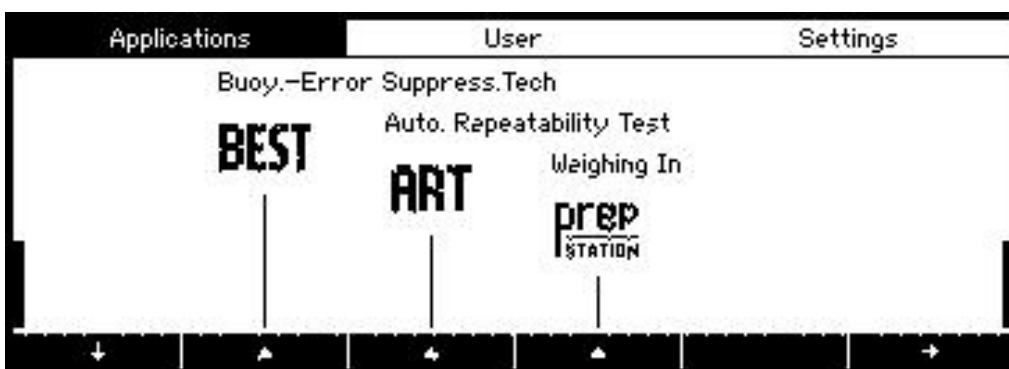
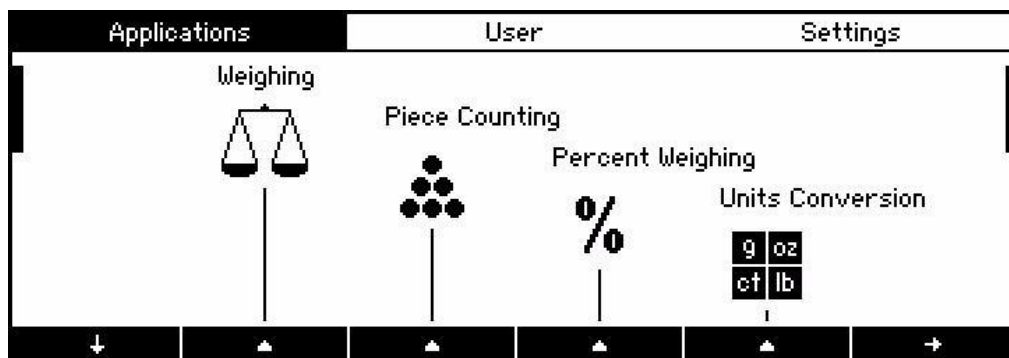


- Connect the balance with prepSTATION with Date cable RJ45 / 0.7 m
- Connect your PC with the EP120A balance with USB cable
- Connect your PC with local network (or directly with prepASH)
- Make sure that prepASH is properly connected to the local network as well (or directly with PC)

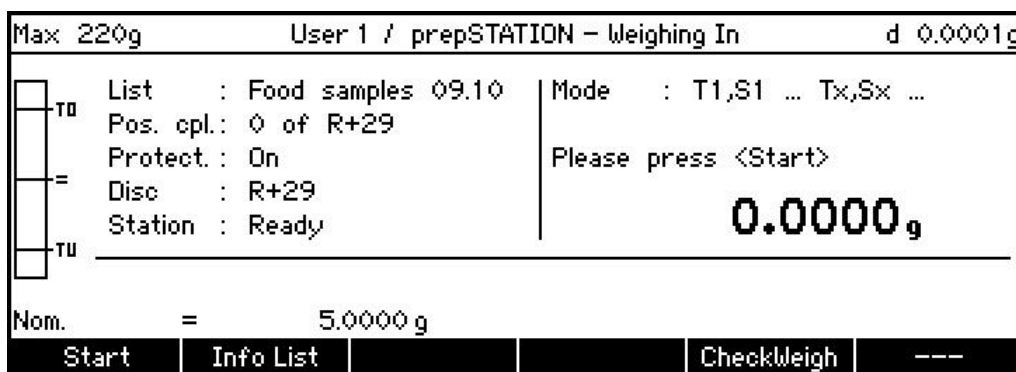
■ 4 Open on the balance the application prepSTATION

4 Open on the balance the application prepSTATION

- The balance is delivered with activated prepSTATION application. If the application does not appear automatically at startup, proceed as follows:
- Start the balance with «ON/OFF» .
- Hold «MENU» to change to 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 completed sample positions
Protect.	Protection of sample list definition on/off
Disc	Disc type (12, 19 or 29)
Station	Connection status balane <-> rotary unit (Connected / Not Connected)
Mode	Order of Tare and Net measuring

5 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 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, Al ₂ O ₃ , 5 pieces use with turn-table 29/19	340-8031
Crucible for use with lid Al ₂ O ₃ , set of 5 pieces use with turn-table 29/19 and crucible-lid 340-8033	340-8032
Crucible-lid, Al ₂ O ₃ , 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

■ 6 Weighing in with prepSTATION: sequence of Operation

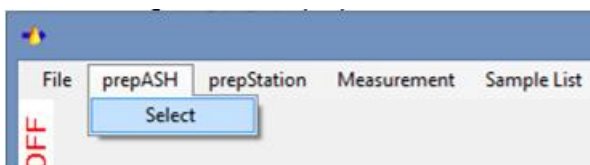
6 Weighing in with prepSTATION: sequence of Operation

- Connect prepDATA (PC) with prepSTATION (balance)
- Prepare sample list in prepDATA(PC).
- Send the sample list to prepSTATION (balance).
- Weighing of all samples on the prepSTATION balance.
- Filled sample list is automatically send back to prepDATAT.
- Store sample list from prepDATA (PC) on the prepASH.
- Start prepASH run from prepASH

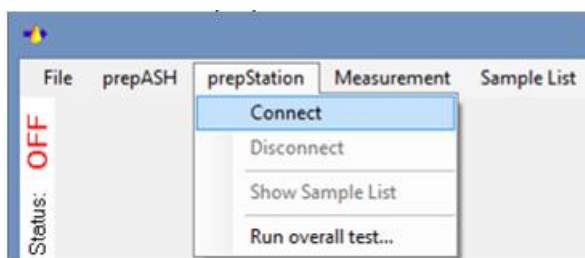
6.1 Connect prepDATA with prepSTATION

PrepASH – balance and PC with prepDATA have to be connected properly

1. Select prepASH.



2. VConnect with prepSTATION.



„Connect“: connection of prepDATA with prepSTATION

„Run overall test...“ : testing the connection and the position calibration of prepSTATION

6.2 Prepare the sample list

1. Prepare the sample list.



„New...“: Create a new sample list

„Modify...“: modifying a existing sample list from the connected prepASH.

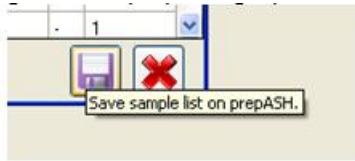


NOTE: if not all crucible position are needed they have to be deleted with „-“ from the list. Sample positions are ready for weighing in even without sample name.

Enter sample name and sample ID if needed (please refer to prepDATA manual for details)

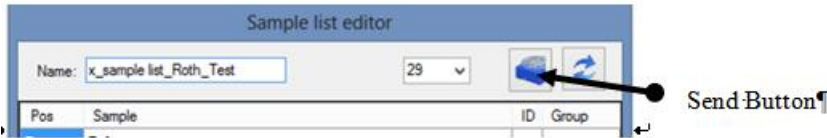
2. Save the sample list if required.

The sample list (without weighing in) is stored on the prepASH by touching the store icon. It is then available for a second analysis. This storage is not mandatory for the weighing in with prepSTATION



6.3 Send sample list to prepSTATION

1. Send the sample list to the prepSTATION by touching the send button.



2. The sample list sent it is minimized but can be shown by clicking on it.



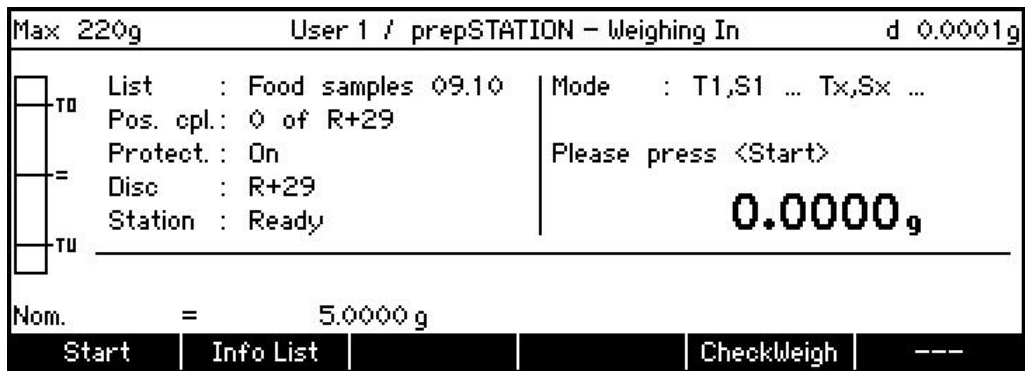
3. Proceed now on the der prepSTATION

6.4 Weighing in on prepSTATION

1. Start weighing in on prepSTATION



2. Weighing in: follow on-screen instructions (for details see chapter 7 "Weighing-in of the samples")



■ 6 Weighing in with prepSTATION: sequence of Operation

Max 220g		User 1 / prepSTATION - Weighing In		d 0.0001g	
<input type="checkbox"/>	TO	List : Food samples 09.10	Tare =	20.0000 g	
<input type="checkbox"/>	=	Position : R Actual: R	Sample =	20.0000 g	
<input type="checkbox"/>		Name : Reference	List is complete		
<input type="checkbox"/>	TU	Ident. : -	NET	0.0000 g	
<input type="checkbox"/>		Group : -			
Nom.		=	5.0000 g		
+		Info List	Del.Measur	CheckWeigh	---

6.5 Store filled sample list on prepASH

The sample list with all weights is shown in prepDATAT as soon as the weighing in has been finished

Pos	Sample	ID	Group	Tare	Initial Value
R	Reference	-		1.6802	1.6802
1	Mich UHT 1L	123	1	1.6774	0.8447
2	Coca Cola 1/2L	abc	1	1.6803	0.8428

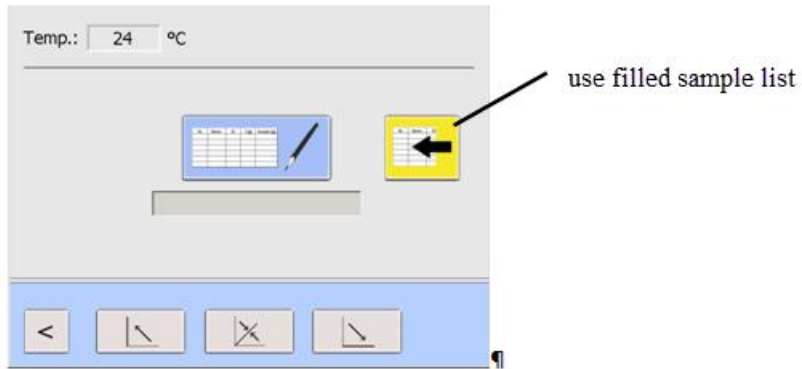
1. save the filled sample list on the chosen prepASH.
2. !NOTE! Only one samples list with weighing data can be stored in prepASH at the same time. If already a list is present you are asked if you do want to overwrite.

6.6 Start prepASHrund with sample list from prepSTATION

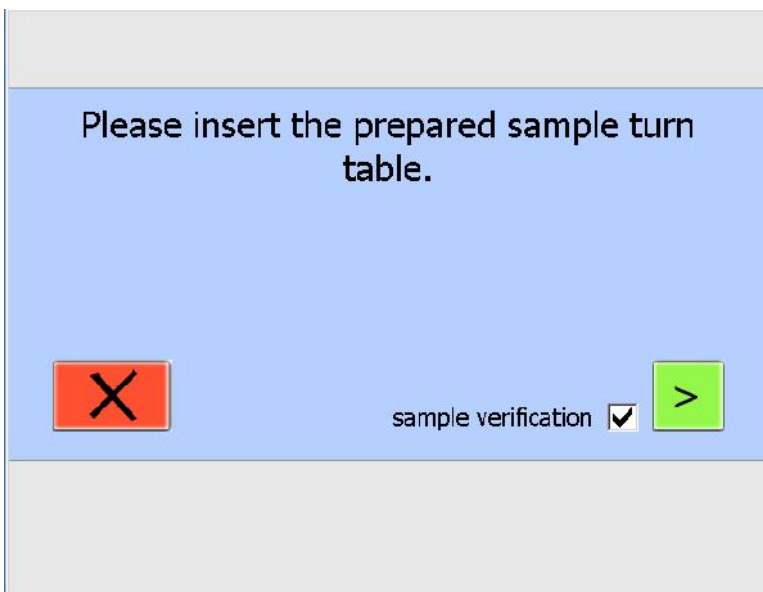
The procedure in prepASH as usual:

1. enter the name of the result file.
2. choose method.
3. chose sample list.

Only the ready sample list can be chosen.

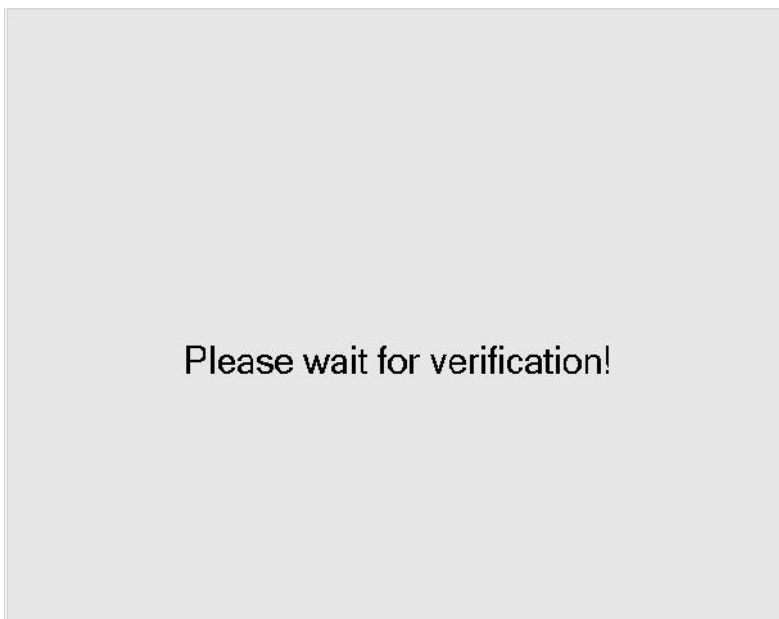


The filled sample list from prepSTATION is compared with the sample turntable in prepASH (weight of the first two crucibles).
This verification can be deactivated (which is not recommended).



English

Nach erfolgreicher Probenverifikation kann der Lauf direkt gestartet werden.



■ 7 Weighing-in of the sampels

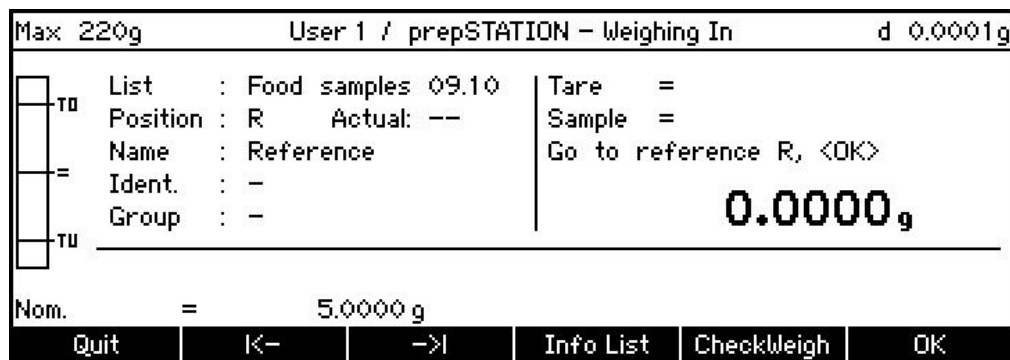
7 Weighing-in of the sampels

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.

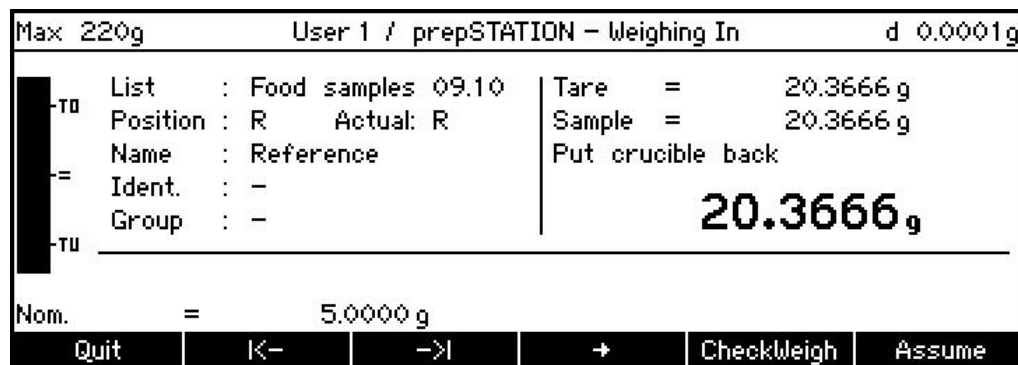
The following screen appears. .



Soft key	Description
Quit	Quits an input without saving the changes
Info List	Information about the sample list (only if activated)
CheckWeigh	Check-weigher application(only if activated)
<- 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.



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}. The Tara is stored and the net display is set to zero.

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

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

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

Then put the crucible back in the disc. Repeat these steps for all the samples.

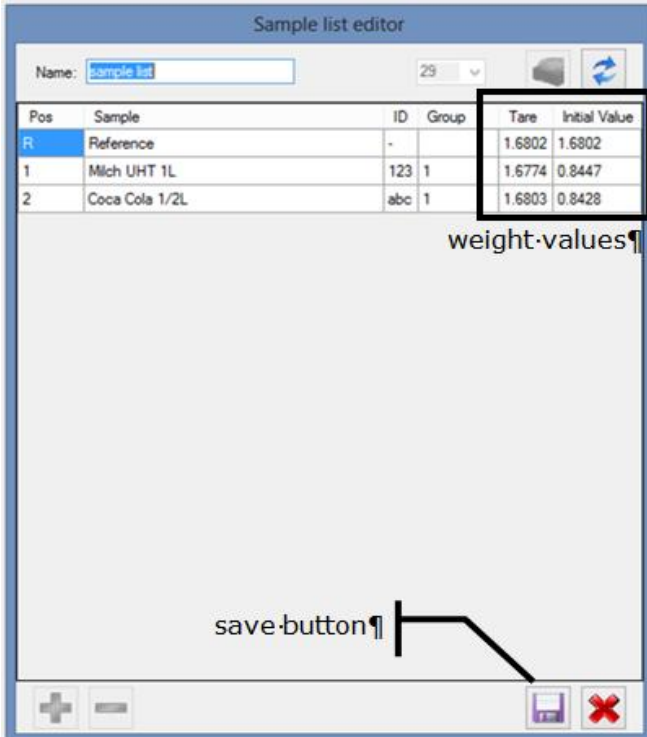
You can manually change the sample by pressing the positioning keys **{ | <-- }** and **{ --> | }**.

When all positions are weighed, send the list is automatically transferred to prepDATA

Max 220g		User 1 / prepSTATION - Weighing In		d 0.0001g	
TO		List : Food samples 09.10	Tare =	20.0000 g	
		Position : R Actual: R	Sample =	20.0000 g	
=		Name : Reference	List is complete		
TU		Ident. : -	NET	0.0000g	
		Group : -			
Nom. = 5.0000 g					
+	Info List	Del.Measur	CheckWeigh	---	

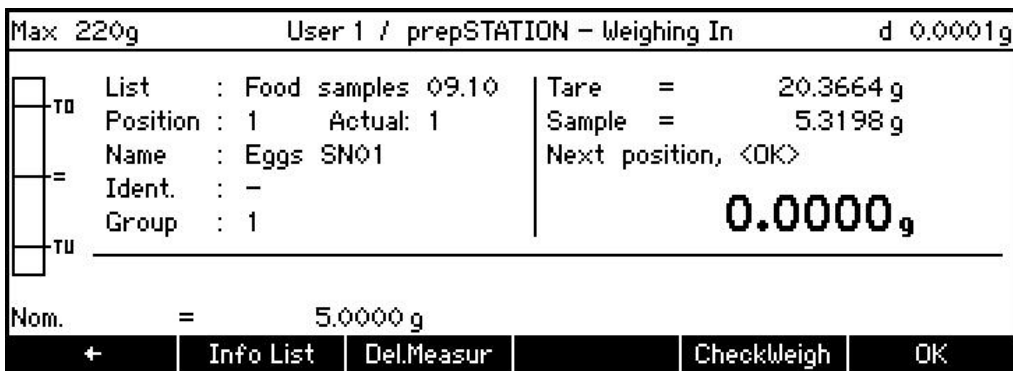
7 Weighing-in of the samples

Save the sample list on prepASH and start the analysis

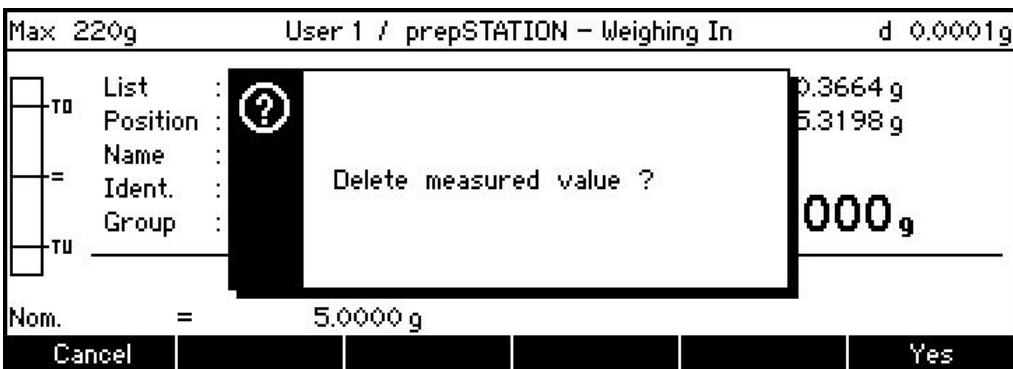


7.1 Deleting measured values

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 { → }.



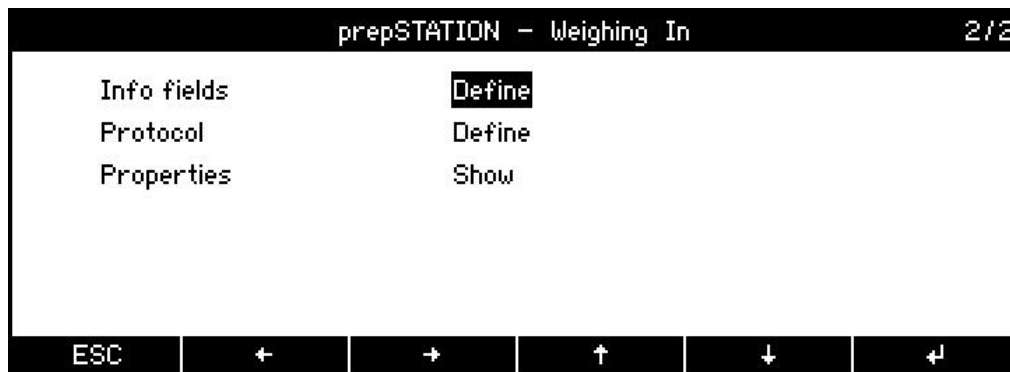
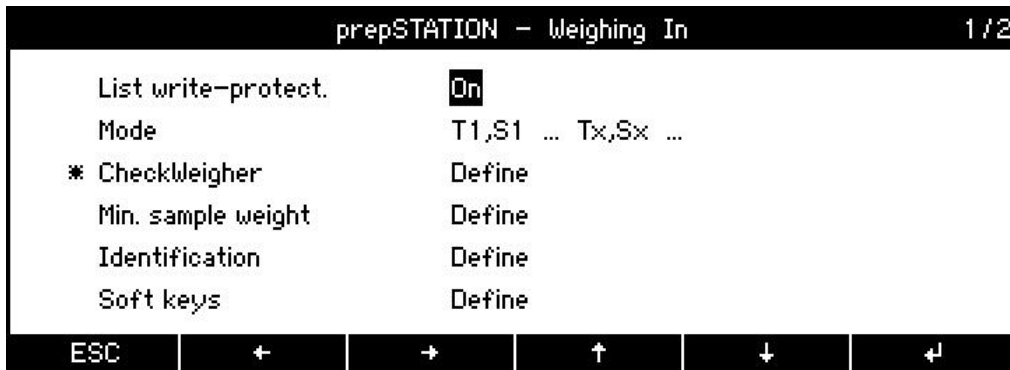
Press {Del.Measur} to delete the Tare and Initial value of the sample.



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

8 Application prepSTATION settings

- Hold «MENU» to switch the home screen.
- Switch the icon „prepSTATION“ by pressing {▲} .
- Press shortly «MENU» to switch the context menu.



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

8.1 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

■ 8 Application prepSTATION settings

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 Application refer to EP 360 user manual (12.2.1 Power Function: CheckWeigher).