

KERN & Sohn GmbHZiegelei 1Tel: +49D-72336 BalingenFax: +49E-Mail: info@kern-sohn.comInternet:

Tel: +49-[0]7433-9933-0 Fax: +49-[0]7433-9933-149 Internet: www.kern-sohn.com

Operating Instructions KERN EasyTouch

EasyTouch Difference User manual





Contents

1.0 Introduction to difference function	3
2.0 Start new difference procedure	4
2.1 Define new procedure	4
2.1.1 Defining the tare	5
2.1.2 Measuring the tare weight	7
2.2 Memory	10
2.2.1 Create a master object with difference procedure properties	10
3.0 Connecting a weighing scale	14
4.0 Difference measurement properties	14
4.1 Functional features	14
4.2 Weighing and storing of samples (1st sequence measurement)	18
4.2.1 Continue measurement of filled containers	19
4.2.2 Resume to weigh filled containers later	20
4.3 Weighing and storing of samples (2nd sequence measurement)	21
4.3.1 Continue measurement of filled containers	21
4.3.2 Pause now and resume to weigh filled containers later	23
4.3.3 View analytics and finish	23
4.3.4 Enter additional data and print	28
5.0 Resume a procedure	29
6.0 Browse saved data	33
7.0 Dynamic data	35
7.1 Chart	36
7.2 Additional data	37



1.0 Introduction to difference function

The difference weigh function shall allow the user to weigh and store the weighing data of the substance or objects. Later, the samples are measured again, and differences of weighing results are calculated and analyzed statistically.

The growth of a meat, physical formations of checimal components, or growth of cell cultures from a period of time to time can be found and stored in the software for industrial usage.

- Click on the function menu from the main wizard.
- The function list screen will appear. From the list of functions, click on the "difference" function.

ĕ ₀	Settings Settings list	English V 😡 Albert – 🗆	×
	Batch & statistics Facilitate all the weighing production by splitting them to batches	hy to Count Define a reference and detect the count of objects Define a reference and detect the count	
	Difference Allows to find the weight difference of objects and gives the summary on the comparison	ng Formulation Medical Collect weighing value and ID from the added to a mixture	
ŵ	Recentage weighing Allows to measure objects relatively to the weight of a reference object	ons Quick Dosing Dosing function using target weight Take-out Source weight is removed to reach the target weight	
Ŭ	Target-count Tolerance	Allows to create and define new customized units and utilize	
	Weighing Standard weighing function		
KERN EASY TOUCH			

• The start screen for difference weighing screen appears, where you can start the new difference procedure.

الأ	Difference	🛞 English 🗸	Albert Admin,	□ ×
				8
				Memory
Ø	2028 Start new procedure			
ŀ				
KERN EASYTOUCH				



2.0 Start new difference procedure

Upon clicking on the difference weighing the screen appears which allows us to define the new difference procedure or allows the user to choose the weighing procedure from memory.



2.1 Define new procedure:

• Clicking on the "start new procedure" takes to the screen where you can define the following information.

	Difference Difference > New Procedure		English V Albert Admin,
	Please enter the number of samples to be me	asured	6
ŵ	Number of samples *	Procedure name * Please enter procedure name	Memory
88	Procedure description		
	Please enter procedure description		-
Ø	Skip tare sequence		
ŀ			
KERN EASY TOUCH			Back Save & proceed

- Number of samples: The user can define the number of samples which has to be measured.
- **Procedure name:** The user can define the name of the procedure can be given. For example, the name of the object which you are measuring can be mentioned here.
- **Procedure description**: The user can enter the short description of the procedure which you are going to perform



2.1.1 Defining the tare

The user can define the tare the in two ways,

- Enabling the option "skip tare sequence": The tare weight can be entered into the system in case if the tare weight is already known to the user and is similar
- Disabling the option "skip tare sequence": The tare can be measured in case if the containers or the tare weight to be used for measuring the substance are not similar and unknown to the user prior.

₩ i i i i i i i i i i i i i	Difference > New Procedure		English v Albert Admin,	
				8
	Please enter the number of samples to Number of samples *	p be measured Procedure name *		
	3	Chicken weighing		Memory
	Procedure description			
	Chickens to be shipped to market			
æ	Skip tare sequence			
şÕt	Update object in master memory			
(]-	Applied master object			
	Matter object ID 6678 Matter object name Chicken ID number / Name 54567UYY			
EASY TOUCH			Back Save & proceed	

Skip tare sequence:

• If the tare weight is already known, then the user can enable the option "skip tare sequence" and enter the tare weight manually where in the case the container sed to measure the different substance or samples should be similar.

Ké .	Difference > Difference > New Procedure		(🚯 English 🗸	Albert Admin,	- 🗆 X
						3
	Please enter the number of samples to	be measured				E
$\widehat{\mathbf{A}}$	Number of samples *	Procedure name *				Memory
	3					
	Procedure description					
	Chickens to be shipped to market					
	✓ Skip tare sequence	General tare weight *	Unit *]		
۲Ċ		12	g ~			
	Update object in master memory					
ŀ	Applied master object					
	Master object ID					
	Matter object name					
	ID number / Neme					
	54567UYY					
						_
KERN EASY TOUCH				Back	Save & proceed	



- Click on "save and proceed" and the below screen appears where the user is directed to weigh the filled containers
- Click on "proceed" to start the measument of filled containers

	Difference Difference > New Procedure		English \vee	deepika Admin,	- 🗆 X
					3
	Please enter the number	of samples to be measured			a
$\widehat{\mathbf{A}}$	Number of samples *	Procedure name *			Memory
	3	Chicken weighing			
				_	
	Chickens to be shipt	Difference / Diff-29092022180640 / Start weight			
		Weighing of same object in different conditions			
	🗸 Skip tare seque				
	Update object	Step 2 : Measurement of filled containers to determine the starting weights			
œ	Applied master objec				
	Master of 6678				
	Master of Chicken	Don't snow process screens any more	Proceed		
	ID number / Neme				
KERN			Death	Cours Courses	
EASY TOUCH			Back	Save & proceed	

- Place the weight of the filled container with the substance what you're going to measure and you could notice that the static tare weight which is been been defined while creating the procedure is been reduced from the substance or sample placed on the weighing scale and only the weight of the substance is been displayed here
- Click on "container 2" and place the second substance and repeat the same steps to meaure all the different substance.



2.1.2 Measuring the tare weight

If the tare weight is unknown, the user can measure the tare weight, which is then used to place the weighing substance.



	Difference Difference > New Procedure		English V Albert - - × Admin - - ×
	Please enter the number of samples to	b be measured	8
ŵ	Number of samples * 3	Procedure name * Chicken weighing	EII Memory
	Procedure description		
ŝ	Skip tare sequence Update object in master memory		
(j.	Applied master object		
	Matter object ID 6678 Matter object ID Chicken ID number / Nume 54667UYY		
KERN EASYTOUCH			Back Save & proceed

• Upon clicking on save and continuing without selecting the "skip tare sequence", you will be taken to the screen where you can measure the empty containers.

	Difference Difference > New Procedure		🛞 English v 🛛 💭 Albert – 🗇	×
				8
	Please enter the numbe	r of samples to be measured		e
୍ଦି	Number of samples *	Procedure name *		Memory
	3	Chicken weighing		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
	Chickens to be ship:	New difference weigh procedure		
		Weighing of same object in different conditions		
	Skip tare seque			
ŝ				
	Update object	Step 1: Measurement of empty containers		
œ	Applied master objec			
	Master ot 6678		Property	
	Master of Chicken	Dont show process screens any more	Pidceed	
	ID number / Name 54567UYY			
KERN			Back Save & proceed	
EASY TOUCH				

• You will now be prompted to measure the empty containers. Clicking on "proceed" will redirect you to the dosing screen where you can measure your empty containers.

Ké a	Difference Difference > Init process	English v Albert □ ×
	Internal code Model name Max Min d KDP 3000 2 KDP 3000-2 3.5 kg O O.01 g	® 8
$\widehat{\mathbf{A}}$	Container name. 🗉 (1 of 3)	Reset
88		
	38.65g	Switch to
¢ې	Mir: 0.00 g	Max: 3,500.00 g
ŀ	Tare O.OO g	Zero
	Applied master object	
	Applied master object	
	Austor object D 675 Master object name Chicken D. runber / Name 54567UYY	
KERN EASY TOUCH		Container 2 $ ightarrow$

- Here the user can measure the weight of the empty container 1 and assign the name for the containers.
- Click on the container 2 and measure the weight of next empty container and repeat the same process to finish the measuremnet of containers.



2.2 Memory

The user might be able to pick an object from the memory what the user is going to weigh. The user can predefine list of objects what might be used frequently. The pupose of master memory is to reutilze the weighing object details in functions whenever is required.

2.2.1 Create a master object with difference procedure properties

Steps to be followed to create a master data with functional properties

• Click the database icon from the main menu



• The database list will be displayed and click on the "master database" from the list.

ĭ` ₀	Databases Databases list		¢	English \vee	Albert Admin,		×
$\widehat{\basis}$	Master data Master data	Dynamic database	Container master Container master				
ţĊ;							
ŀ							
KERN EASYTOUCH							

• The overview of the currently filed master data's appears, by clicking on "add master object", the user can add a new master object with difference weighing and reuse it later in function if needed.

۱	Database Databases > Master data list Admin	
	Active meeter date	
ŵ		Add master object
	Master object D 87687 Master object D 87687 Master object D 8728382 Master object D 864567 Master object D 654567 Master object D 8778 Master object D 87678 Pencils Chocolates Eggs Beredition Bread	Import
	Pencil box with eraser and sharpners Chocolates from Ooty Eggs from Mexico Bread from Bulgaria	
ŵ		Export
ŀ		∑]_ Template
KERN EASY TOUCH	Back	

- The user can fill in the information as such component / object ID, component / object name, ID number / name, description, container weight and the image for the reference.
- When "difference weighing " is selected from the drop down, the user can now enter the number of samples, procedure name and description.



i ا≊ ₀	Master database Database > Create ner	w master data		()	English 🗸 🛛 🧕	Albert Admin,	- 🗆 X
	Create new maste	er data					
\bigcirc		Component / Object ID * 6678	Component / Object name * Chicken		ID number / Name 54567UYY		
	Remove image	Description	Container weight	Unit	Assign functions		
	Only]peg',]pg'& png',bmp'	Chickens from south india	12	g 🔻	Please select the obje	ct type Select all	Clear all Close
ĝ					Search	π	
ŀ					Take out	Procedure	
					Density		l
						Back	Submit

• Once the properties are assigned user can click on submit and save the newly created master objects along with properties of difference function and reuse it.

ĕ.	Master database Database > Create ne	w master data				English 🗸 🏾 🧕	Albert Admin,		
	Create new maste	er data							
$\widehat{\ }$	Carling Street	Component / Object ID * 6678		Component / Object name * Chicken		ID number / Name 54567UYY			
80	Remove image	Description		Container weight	Unit	Assign functions			
	Only 'jpeg', 'jpg'& 'png',bmp'			12		Difference Procedu	ire		~
ŝ	Difference				-				^
G	Number of samples * 3		Procedure name Chicken weighing						
	Procedure description Chickens to be ship	ped to market							
							Back	s	ubmit

• Once the master object is saved you can view the master object in the master object list.



	Database English v Albert Albert Admin -	
	Search by Key	
$\widehat{\mathbf{G}}$	Active master data	Add master
	Matter object D 6678 Chicken Matter object name Parelis Matter object name Parelis Matter object name Parelis Matter object name Parelis Matter object name Chocolates Matter object name Eggs	
	Description Description Description Description Description Description Description Description Chickens from south India Pencil box with eraser and sharpners Chocolates from Ooty Eggs from Mexico	
ĝ	Matter object D 75678 Matter object Turnie Bread	L]. Export
Ū,	Description Bread from Bulgaria	∑ Template
KERN EASY TOUCH	Back	

Utilize the master object in function

- Navigate to the difference function
- Click on the memory and the user will be taken to the master memory to pick from the list of objects predefined. User can click on the required object to be weighed.



• User will be provided with the search option to search the required weighing object.



i o	Difference	🌐 English	✓ Albert □ ×
		Search by I	Q 88 🗮
$\widehat{\mathbf{G}}$	•		
	Master object ID 6678 Master object name Chicken	Matter object D Matter object D 87687 SSE2 Matter object name Matter object name Pencils Chocolates	Master coject ID 664567 Master object name Eggs
	Description Chickens from south india	Description Description Description Description Octy	Description Eggs from Mexico
ŵ	Master object ID 87678 Master object name Bread		
ŀ	Bread from Bulgaria		
KERN EASY TOUCH			Back

- User will be redirected to the below screen upon clicking the required object and the details will be auto populated.
- Here, the user will be provided with an option to "update the object in master memory". The purpose of this option is to save the modified procedure in master memory.
- The user can click on "save & proceed" to start the measurement

۱	Difference Difference > New Procedure			🛞 English 🗸	Albert Admin,	- 🗆 X
	Please enter the number of samples to I	be measured				
ŵ	Number of samples * 3	Procedure name * Chicken weighing				Memory
	Procedure description Chickens to be shipped to market					
ŝ	✓ Skip tare sequence Update object in master memory	General tare weight * 12	Unit * g \lor			
	Applied master object Master object D Master object name Chicken Dribene / Name 54567UYY					
KERN EASY TOUCH				Back	Save & proceed	

3.0 Connecting a weighing scale

Please connect the active weighing scale to the system to start measuring the substance. Please refer the "device management" user manual to help with the device connection instructions.





4.0 Difference measurement properties

4.1 Functional features

The user might be able to utlize the below features during the measurement. Container name: By clicking on the container name you can enter the container name manually or by scanning the barcode or by using the RFID – reader. The purpose of giving the name to the containers is for reference.

• Upon clicking on the apply button the provided container name will be applied to the container.



Switch to: It is possible to switch between the containers in case of multiple containers using "switch to" button. As an example, the user can switch from container 1 to container 3 by clicking the "switch to" button.



• Click on "switch to" button in the right side menu



• Now the available containers will be listed in the screen. Where the measured empty containers are displayed in green and the non-measured containers are displayed in yellow.

i a	Difference Difference > Init prov	cess						🛞 English	Albert Admin,			×
	KDP 3000 2	Model name KDP 3000-2	Max 3.5 kg	Min o O O	9 0.01 g		Please select a conta	iner to switch				8
ŵ						Chicken pink cc	Contrainer ID	Contriner ID	Şear.	Q	88	E
						20	1 Container name Chicken pink container Tare weight	2 Container name Container name 2 Tare weight	3 Container name Container name 3 Tare weight			
	4					38.	0 g	Og	Og			
۲ ک	Min: 0.00 g		Tare	0.0	00 g							
ŀ												
	Applied master obje	ect										
	Applied master obje	ect										
	Master 6678 Mester Chick ID numi 54561	object ID object name en ber / Name 7.UYY										
KERN EASY TOUCH											Close	

- Select any container you wish to switch by clicking on it . If you click on it, you will get to the screen where you can measure the selected container.
- Now the container selected can be measured here



	Difference Difference > Init process	English V Albert Admin,	
	www.space Model name Max Min d KDP 3000 2 KDP 3000-2 3.5 kg 0 0.01 g	(Ta)	83
$\widehat{\basis}$	Container name II (3 of 3)	7	Reset
			=
	. 38.61g		Switch to
¢¢	Mir: 0.00 g Tare 0.00 g	Max: 3,500.00 g	
ŀ			
	Applied master object		
	Applied master object		
	Mater deject D 6673 Mater deject rame Chicker D number / Name 54567UYY		
KERN EASY TOUCH	Container 2	Container 1 \rightarrow	

Reset: The purpose of the reset is to clear all the entered values and readings.



Upon clicking the reset, system will reset all measurement details and will be ready to perform the new operation.





Continue functionality:

• Upon clicking on the container button the weight of the current container is stored in the cache memory and will be redirected to the next container to measure the weight of empty container



• The user places container on the scale and by pressing the continue button, a container's weight is stored in the cache memory, and will be ready to measure the next container.



الله الله	Difference Difference > Init process	English v Albert
	www.miterenal.code Model name Max Min d KDP 3000 2 KDP 3000-2 3.5 kg O 0.01 g	B E
$\widehat{\mathbf{G}}$	Container name. 🔟 (2 of 3) Reset
88		
	38.63	Switch to
ŵ	Mir. 0.00 g	Мах: 3,500.00 g
	Tare g	Zero
	Container 1	Container 3 →

- User can repeat the steps until all the empty containers are being measured.
- Once all the containers are measured, the filled container measurement can commence.

Difference Difference > Container measurement	it	English∨	Albert Admin,		□ ×
					8
	r				Memory
88					
	Thank you for storing the consecutive weights An ID has been generated for this DIFF procedure - Diff-02102022185823				
¢.	Continue to measure				
œ	containers later				
KERN EASY TOUCH			В	ack	

4.2 Weighing and storing of samples (1st sequence measurement)

The user can start measuring the substance after completing the below process.

- Defining the tare (in case of skipping the tare sequence)
- Measuring the tare (in case of not skipping the tare sequence)
- The user will be given the option to "continue the measurement of consecutive weight" and "resume the weigh filled containers later" upon successful measurement of tare or else the user can proceed





4.2.1 Continue measurement of filled containers

The purpose of this functionality is to measure the filled container right away.

	Difference Difference > Container measurement	English∨	Albert Admin,	
				8
ŵ				Memory
	Thank you for storing the consecutive weights			
	An ID has been generated for this DIFF procedure - Diff-02102022185823			
ŵ	Continue to measure consecutive weights			
ŀ				
KERN EASY TOUCH			Back)

• Upon clicking on the "continue the measurement of consecutive weight" the user is taken to the page where the measurement of subtance that is required to be weighed along with the container of sequence 1 can commence



	Difference > Container measurement	🛞 English 🗸	Albert Admin,	-	
ିର					Memory
	Difference / Diff-25092022193841 / Start weight				
	Weighing of same object in different conditions		- 88		
Ø	Step 2 : Measurement of filled containers to determine the starting v	veights			
	Don't show process screens any more	Proceed			
KERN EASY TOUCH				Back	



4.2.2 Pause now and resume to weigh filled containers later

- This option would be available to the user once the particular sequence is completed.
- With this option, you can pause a difference procedure and resume it whenever you want to measure the next sequence of samples.
- This might be useful in case where there should be some time given for subtsnce to grow or expand or reduce.



Х С	Difference Difference > Container measurement	$English \lor$	Albert Admin,		□ ×
					8
$\widehat{\mbox{\ }}$					Memory
	Thank you for storing the consecutive weights				
	An ID has been generated for this DIFF procedure - Diff-02102022185823				
ŝ	Continue to measure consecutive weights				
ŀ					
KERN EASY TOUCH				Back	

• Upon selecting the "pause now and resume the weigh filled containers later", the current difference procedure will be paused and you will be taken to the home screen of the difference function.

	Difference English V Albert Difference	×
		8
$\widehat{\basis}$		Memory
ĝ	828 Start new procedure 101 Resume a procedure 101 Browse saved data	
(];•		
KERN EASY TOUCH		

4.3 Weighing and storing of samples (2nd sequence measurement)

Once the sequence 1 weights are measured the difference procedure ID will be generated and also the user will be given the option to "continue the measurement of consecutive weight" and "resume the weigh filled containers later"

4.3.1 Continue measurement of filled containers

- The purpose of this functionality is to measure the sample weights right away after the sequence 1 weights are being measured.
- For instance, the chemical substance with moisture as your first sequence and without moisture as your second sequence.



• Upon clicking on the "continue the measurement of consecutive weight" the user is taken to the page where the user can measure the sequence 2 of the first substance.

D)	Difference Difference > Container measurement Difference > Container measurement	a x
		8
		Memory
		Merriory
	Difference / Diff-25092022190819 / Consecutive weights	
	Weighing of same object in different conditions	
503		
	Step 3 : Measurement of filled containers to determine the differences (consecutive weights)	
() }		
	Don't show process screens any more Proceed	
	Back	
الأ	Difference Difference > Init process	= ×
	Internal code Model name Max Min d KDP 3000 2 3.5 kg 0 0.01 g 000 g 0.01 g	8
$\widehat{\mathbf{G}}$	Difference procedure id : Diff-25092022190819	Peset
	#Seq 2 Consecutive weighings 🧾 (1 of 3)	Root
		\Rightarrow
	232.94g	Switch to
ŝ	Mix 0,00 p Mix 3,500,00 p	
1997 1997	Tare O.OO g	
ŀ	Contributor and unitative (computer 1) 102 DE #	
	Container intervengint (semiple // 193.35 g Average weight 0.00 g	
	Start weight 232.90 g	

4.3.2 Pause now and resume to weigh filled containers later

• With this option, you can pause a different procedure and resume it whenever you want to measure the next sequence.



	Difference Difference > Container measurement	Enį	glish~	Albert Admin,		
	Thank you for storing the consecutive weig An ID has been generated for this DIFF procedure - Diff-C	hts 02102022185823				Memory
	Continue to measure	e now & resume				
ŵ	consecutive weights	eigh the filled ainers later				
(];	View analytics	Click here iter additional / print				
KERN EASY TOUCH					Back	

• Upon selection the "pause now and resume to weigh filled containers later" the current difference procedure will be paused and you will be taken to the home screen of difference function.

4.3.3 View analytics and finish

This option would be available for the user once the sequence 2 is being completed where the system can calculate the difference of sequence 1 and 2 and display it to the user. An overview of the determined data appears upon clicking on the button "view analytics and finish".

	Difference Difference > Container measurement		English∨	Albert Admin,		
						2
						Memory
		Thank you for storing the consecutive weights An ID has been generated for this DIFF procedure - Diff-02102022185823				
		Continue to measure				
Ő		consecutive weights				
(]]-		View analytics				
EASY TOUCH				Bao	ik 📃	

• The below screen appears upon clicking the view analytics and finish button. The user might be able to view the complete result data.



K a	Difference Difference > Container measurement > Result		English v Albert Admin,	- 🗆 X
	Object data			2
ŵ	Dynamic object ID Please enter dynamic object ID	Dynamic object name Please enter dynamic object name		Add object from memory
	Measurement data			
	Difference procedure ID Created date / time Diff-25092022213512 2022-09-25 21:35:12	Created user name Admin supervisor		
	Result Chart Additional Info.			
ţĊ	Container	Container name	Difference weighing taken at (2022-09-25) seq 2 - seq 1	
ſŢ.	1/3	Container name 1	0.03 g (0.01 %)	
}	2/3	Container name 2	0.02 g (0.01 %)	
	3/3	Container name 3	0.02 g (0.01 %)	
	Average weight		0.02 g	
	Median net weight		0.02 g	
				Detailed results
KERN EASY TOUCH		Back	xcel Export as PDF Print	Finish

Add object from memory: The user might be able to pick an object from the memory where you can predefine list of objects what you use frequently. The object in the memory can be re-utilized.

PDF, print and save: The user can save the data, generate the result data as a PDF or excel or print the results. All the saved results would be found in the dynamic database.

Dynamic object ID and name: The user can enter a reference id and name to the weighing objects to stay unique and search based on the dynamic id and name in the dynamic database (after the result data is being saved) regarding the weighing results of an object.

الأ	Difference Difference > Container measurement >	Result		English V Albert Admin,	
	Object data			E	3
$\widehat{\mathbf{G}}$	Dynamic object ID 628717		Dynamic object name Raw chicks		
	Master object ID 6678	Master object name Chicken	ID number / Name 54567UYY		
Q	Measurement data				
	Difference procedure ID Diff-25092022213512	Created date / time 2022-09-25 21:35:12	Created user name Admin supervisor		
ţĊ;	Result Chart A	Additional Info.			
ſŢ,	Container	Container	name	Difference weighing taken at (2022-09-25) seq 2 - seq 1	
3	1/3	Contain	er name 1	0.03 g (0.01 %)	
	2/3	Contain	er name 2	0.02 g (0.01 %)	
	3/3	Contain	er name 3	0.02 g (0.01 %)	
	Average weight			0.02 g	
	Median net weight			0.02 g	
KERN EASY TOUCH		(Back Excel	Export as PDF Print Finan	

Detailed view:

• The user can able to view the detailed view of the result data where the procedure data view, container details and the difference between sequence 1 and sequence 2 for each measurement are clearly displayed. Here the user can generate the result data as a PDF or excel or print the



results

• Upon clicking on the detailed view the following screen appears,

Difference > Container me	easurement > Result				Admin,
Master object ID 6678	Master obje Chicken	ect name	ID number / Name 54567UYY		
Measurement data					
Difference procedure ID Diff-25092022213512	Created date / time 2022-09-25 21:3	5:12 Admir	d user name n supervisor		
Result	Chart Additional Info.				
				Difference weighing t	akon at
Container		Container name		(2022-09-25) seq 2	- seq 1
1/3		Container name 1		0.03 g (0.01 %)	
2/3		Container name 2		0.02 g (0.01 %)	
3/3		Container name 3		0.02 g (0.01 %)	
Average weight				0.02 g	
Median net weight				0.02 g	
					Detailed res
		Back	Excel	Export as PDF	Print Fir
Difference Difference > Container me New difference weigt Weighing of same object in diffe	easurement > Result	Back	Excel	Export as PDF	Print Fir Albert
Difference Difference > Container ma New difference weigt Weighing of same object in diffe Difference procedure do	easurement > Result n procedure rent conditions ttaview	Back	Excel	Export as PDF	Print Fin Albert — Admin,
Difference Difference > Container m New difference weig! Weighing of same object in diffe Difference procedure di Difference procedure ID	easurement > Result a procedure rent conditions ataview Difference procedure name Co	Back Ustomer name Order / Batch	Excel (Export as PDF	Print Fin Albert — Admin, —
Difference Difference > Container m New difference weigt Weighing of same object in diffe Difference procedure du Difference procedure ID Difference procedure ID Difference procedure ID	easurement > Result n procedure rent conditions attaview Difference procedure name Cc Chicken weighing Re	Back Ustomer name Order / Batch eger Ina 7678909	number Cost center Balingen	Export as PDF	Print Fir Albert Admin, – User Admin supervise
Difference Difference > Container m New difference weigt Weighing of same object in diffe Difference procedure do Difference procedure ID Difference procedure ID Difference procedure ID Difference procedure ID	easurement > Result h procedure rent conditions ataview Difference procedure name Chicken weighing Re	ustomer name Order / Batch	number Cost center Balingen	Export as PDF	Print Fir Albert — Admin, — User o Admin superviso
Difference Difference > Container m New difference weigt Weighing of same object in diffe Difference procedure di Difference procedure ID Diff-2509202213012 Container details Container 1 / 3 Container name 1	easurement > Result procedure rent conditions staview bifference procedure name Cc Chicken weighing Re Container 2 / 3 Container name 2	Back ustomer name Order / Batch eger Ina 7678909 Container 3 / 3 Container name 3	number Cost center Balingen	Export as PDF	Print Fin Albert Admin,
Difference Difference > Container me New difference weig! Weighing of same object in diffe Difference procedure ID Diff-2609202213612 Container details Container 1 / 3 Container 1 men 1 Tare weight	easurement > Result h procedure rent conditions staview Difference procedure name Cu Chicken weighing Re Container 2 / 3 Container name 2	Ustomer name Order / Batch eger Ina 7678909 Container 3 / 3 Container name 3	number Cost center Balingen	Export as PDF English ~ () Comments Please store it below 18 degree	Print Fir Albert Admin, User o Admin supervise
Difference Difference > Container rm New difference weig! Weighing of same object in diffe Difference procedure ID Diff-2509202213512 Container details Container 1 / 3 Container name 1 Tare weight Container ID	easurement > Result procedure rent conditions staview Difference procedure name Co Chicken weighing Re Container 2 / 3 Container name 2 Container net weight	Back Ustomer name Order / Batch eger Ina 7678909 Container 3 / 3 Container name 3 Tare weight	number Cost center Balingen	Export as PDF Export as PDF Comments Please store it below 18 degree Performed by	Print Fir Albert Admin, User o Admin superviso
Difference Difference > Container me New difference weig! Weighing of same object in diffe Difference procedure do Difference procedure ID Diff-25092022213512 Container details Container 1/3 Container name 1 Tare weight Container ID Container 1/3	easurement > Result n procedure rent conditions staview Difference procedure name CL Chicken weighing Re Chicken weighing Re Container name 2 Container name 2	Back ustomer name Order / Batch ager Ina 7678909 Container 3 / 3 Container name 3 Tare weight I 0.00 g 2	Excel	Export as PDF	Print Fin Albert Admin, User Admin supervise Used device KDP 3000-2
Difference Difference > Container m New difference weigt Weighing of same object in diffe Difference procedure do Diff-2509202213512 Container details Container 1/3 Container name 1 Tare weight Container 1/3 Container 1/3 Container 1/3 Container 2/3	easurement > Result procedure rent conditions staview Difference procedure name Cti Cchicken weighing Re Container 2 / 3 Container name 2 Container nam	Back ustomer name Order / Batch ager Ina 76789O9 Container 3 / 3 Container name 3 7 Tare weight 8 O.OO g 2 0.00 g 2	Excel	Export as PDF	Print Fir Albert Admin, User O Admin superviso Used device Used device KDP 3000-2
Difference Difference > Container rm New difference weigt Weighing of same object in diffe Difference procedure do Difference procedure ID Diff-2509202213612 Container 1/3 Container name 1 Tare weight Container 1/3 Container 1/3 Container 1/3 Container 2/3 Container 3/3	easurement > Result D procedure rent conditions attaview Difference procedure name CL Chicken weighing Re Chicken weighing Re Container name 2 Container name 2 Contai	Back Back Back Ustomer name Order / Batch ager Ina 7678909 Container 3 / 3 Container name 3 Tare weight A000 g 2 0.00 g 2 0.00 g 2	Excel number Cost center Balingen 2022-09-25 21:35:15 2022-09-25 21:35:17 2022-09-25 21:35:20	Export as PDF Export as PDF Comments Comments Performed by Admin supervisor Admin supervisor Admin supervisor	Print Fin Albert Albert User User User Used device Used device KDP 3000-2 KDP 3000-2
Difference Difference > Container m New difference weigt Weighing of same object in diffe Difference procedure du Difference procedure ID Diff-2509202213012 Container 1 / 3 Container 1 / 3 Container name 1 Tare weight Container 1 / 3 Container 2 / 3 Container 3 / 3 Consecutive weights 1	easurement > Result procedure rent conditions staview Chicken weighing Re Container 1/3 Container name 2 Container name 2 Containe	Utomer name Order / Batch ager Ina 7678909 Container 3 / 3 Container name 3 Tare weight f 0.00 g 2 0.00 g 2	Excel number Cost center Balingen 2022-09-25 21:35:15 2022-09-25 21:35:17 2022-09-25 21:35:20	Export as PDF Export as PDF Comments Comments Performed by Admin supervisor Admin supervisor Admin supervisor	Print Fin Albert
Difference Difference > Container m New difference weigt Weighing of same object in diffe Difference procedure du Difference procedure ID Diff-2509202213612 Container details Container 1 / 3 Container name 1 Tare weight Container 1/3 Container 1 / 3 Container 1 / 3 Container 3 / 3 Consecutive weights 1	easurement > Result p procedure rent conditions taview Difference procedure name Cu Chicken weighing Re Container name 2 / 3 Container name 2 / 3 C	Back ustomer name Order / Batch eger Ina 7678909 Container 3 / 3 Container name 3 1 Tare weight F 0.00 g 2	Excel number Cost center Balingen 1 2022-09-25 21:35:15 2 2022-09-25 21:35:20 2 Performed date / time 2	Export as PDF Export as PDF Comments Comments Performed by Admin supervisor Admin supervisor Admin supervisor Admin supervisor Performed by	Print Fin Albert Albert User User User Admin supervise KDP 3000-2 KDP 3000-2 KDP 3000-2 Used device
Difference Difference > Container me New difference weigt Weighing of same object in diffe Difference procedure ID Diff-2509202213012 Container details Container 1/3 Container 1/3 Container 1/3 Container 1/3 Container 3/3 Container 3/3 Container 3/3	ABABUITERINE TO CONTAINER TO SEASURE TERT CONDITIONS STATUE	Back ustomer name Order / Batch ager Ina 7678909 Container 3 / 3 Container name 3 2 Tare weight 1 0.00 g 2	Excel number Cost center Balingen 2022-09-25 21:35:15 2022-09-25 21:35:20 2022-09-25 21:35:20 Performed date / time 2022-09-25 21:35:20	Export as PDF	Print Fin Albert Albert User User Admin superviso KDP 3000-2 Used device KDP 3000-2 Used device KDP 3000-2
Difference Difference > Container me New difference weigt Weighing of same object in diffe Difference procedure to Diff-2509202213312 Container 1/3 Container 1/3 Container name 1 Tare weight Container 1/3 Container 3/3 Consecutive weights 1 Container 1/3 Container 1/3	Assurement > Result T procedure rent conditions staview Difference procedure name CC Chicken weighting Re Container 2 / 3 Container 2 / 3 Container name 2 Container net weight 204.99 g 204.99 g 204.99 g Net weight Tare weight 232.93 g 0.00 g	Back ustomer name Order / Batch ager Ina 7678909 Container 3 / 3 Container name 3 2 Tare weight 8 0.00 g 2 0.00 g 2	Excel number Cost center Balingen 2022-09-25 21:35:15 2022-09-25 21:35:15 2022-09-25 21:35:20 2022-09-25 21:35:20 2022-09-25 21:35:33 2022-09-25 21:35:20 2022-09-25 21:35:33	Export as PDF	Print Fin Albert Albert User Admin superviso XDP 3000-2 KDP 3000-2 Used device KDP 3000-2 Used device

Chart: The difference between the sequences is displayed in the graphical format for easy understanding of data to the user. Here the difference between sequence 1 and sequence 2 is displayed.

KERN & Sohn GmbH



Ма́о	Difference Difference > Container measureme	nt > Result		🛞 English 🗸	Albert Admin,	- 🗆 X
	Master object ID 6678	Master object name Chicken	ID number / Name 54567UYY			E
â	Measurement data					
	Difference procedure ID Diff-25092022213512	Created date / time 2022-09-25 21:35:12	Created user name Admin supervisor			
	Result Chart	Additional Info.				
	1	J				
Ø						
ŀ						
	0 0.03 ; Contain	er1	0.02 g Container 2		0.02 g Container 3	
	Sequence 2					
KERN ASY TOUCH			Back Excel	Export as PDF	Print	Finish

Finish: The functionality of the finish button is to either abort the current procedure or to complete the current procedure with the remarks and save it in the dynamic database.

ă₀	Difference Difference > Container measuremer	nt > Result		🛞 English 🗸	Albert Admin,	- 🗆 X
	Master object ID 6678	Master object name Chicken	ID number / Name 54567UYY			8
$\widehat{\baselinetic}$	Measurement data					
	Difference procedure ID Diff-25092022213512	Created date / time 2022-09-25 21:35:12	Created user name Admin supervisor			
	Result Chart	Additional Info.				
	1					
ŝ						
ŀ						
	0 0.03 g Containe	er 1	0.02 g Container 2		0.02 g Container 3	
	Sequence 2	_				
EASY TOUCH			Back Excel	Export as PDF	Print	Finish

• Upon clicking on the finish button user can either abort or complete the procedure.

Abort: If the user selects "abort" and clicks on saving by writing the remarks the complete procedure will be saved in the dynamic database with aborted tag.



	Difference Difference > Container measurement >	Result		English v	Albert Admin,	- = ×
	Master object ID 6678	Master object name Chicken	ID number / Name 54567UYY			8
ស	Measurement data					
	Difference procedure ID Diff-25092022213512	Created date / time 2022-09-25 21:35:12	Created user name Admin supervisor	-		
	Result Chart	Addition Sinish procedure				
	1	Select the option to finish the	procedure :			
ĝ		Abort Complete				
ſĿ		Enter the Remarks		_		
}		Back		Save		
	002.0					
	Container 1		Container 2		Container 3	
KERN EASY TOUCH			Back Excel	Export as PDF	Print	Finish

Complete: If the user selects "complete" and clicks on save by writing the remarks the complete procedure will be saved in the dynamic database with the completed tag.

	Difference Difference > Container measurement > R	esult		🕀 English 🗸	Albert Admin,	- 🗆 X
	Master object ID 6678	Master object name Chicken	ID number / Name 54567UYY			20
୍ଦି	Measurement data					
	Difference procedure ID Diff-25092022213512	Created date / time 2022-09-25 21:35:12	Created user name Admin supervisor	_		
	Result Chart Ad	Finish procedure		_		
<u>ا</u>		Select the option to finish the pr Abort Complete Remarks *	ocedure :			
œ		Back	s	ave		
	0 rinkij Container 1		002 g Container 2		0.02 g Container 3	
KERN EASY TOUCH	Sequence 2		Back Excel	Export as PDF	Print	Finish

4.3.4 Enter additional data and print

• Users will have an option to enter additional information as such the customer's name, order or batch number, cost center, and comments.



<u>الم</u>	Difference Difference > Container measurement		English∨	Albert Admin,	_	• ×
ŵ						Memory
	A	Thank you for storing the consecutive weights n ID has been generated for this DIFF procedure - Diff-02102022185823				
		Pause now & resume				
ŵ		Consecutive weights) 			
(]-		View analytics Tap/Click here to enter additional data / print				
]			
KERN EASYTOUCH					Back	

• The user can save the data, generate the result data as a PDF or excel or print the results. All the saved results would be found in the dynamic database.

κ i i i i i i i i i i i i i	Difference Difference > Container measurement > Additional Info.		English v Albert Albert	- 🗆 X
		-		8
	Addit	I nank you onal information for DIFE procedure - Diff-25092	0022213512	
ନ				
	Customer name	Order / Batch number		
	Reger Ina	7678909		
	Cost center	Comments		
	Balingen	Please store it below 18 degree		
:Cì				
~~~~				
ſħ.				
Ūī				
KERN EASY TOUCH		Back Excel	Print Export as PDF	Submit

# 5.0 Resume a procedure

- Here you will be getting the option to resume the difference procedure.
- Upon clicking on the "resume a difference procedure will take you to the screen where you can find the list of paused difference procedures.



0	Difference English Albert I	
		Memory
ŝ	22/2     1 ÷ 1       1 ÷ 1     COO       1 ÷ 1     COO         22/2       1 ÷ 1       0 CO         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1         1 × 1           1 × 1 <th></th>	
(]-		
KERN EASY TOUCH		

ه ۵	Difference Difference > Resume procedure list		English v Albert Admin,	- 0	×
			Search by Key		8
ŵ				<u> </u>	
	Procedure ID Diff-25092022193841 Procedure name paused by Chicken weighing Admin supervisor	Procedure ID DHF-25092022190819 Procedure rame passed by Chicken weighing Admin supervisor			
	Sequence Count Created date / time 3 2022-09-25 19:38:41	Sequence Count Created date / time 3 2022-09-25 19:06:19			
ŵ					
ŀ					
KERN EASY TOUCH				Back	

- Here you can use the search function to pick up the exact procedure you wish to resume.
- After searching click on the procedure ID which you want to resume
- After clicking on the procedure ID you will be taken to the screen where you can measure the substance for next sequence from where the user has left.



	Difference Difference > Resume p	rocedure list	English v Albert Admin,	- 6 X
			Course by Key	
ିର				
80	Procedure ID Diff-25092022193841 Procedure name	Procedure D. DHT-25092022190819	_	
	Sequence Count	Weighing of same object in different conditions		
		Step 3 : Measurement of filled containers to determine the differences (cc	onsecutive weights)	
œ				
		Don't show process screens any more	Proceed	
KERN EASY TOUCH				Back

After resuming the procedure, the user will be redirected to the dosing screen from where the user has paused the sequence.

• Here the net weight is displayed by reducing the container weight

ال	Difference Difference > Init process	English v Albert Admin,	
	www         Model name         Max         Min         d           KDP 3000 2         KDP 3000-2         3.5 kg         O         0.01 g	P	83
ŵ	Difference procedure id : Diff-25092022213512 #Seq 2 Consecutive weighings III (1 of 3 )		Reset
			$ \rightarrow $
	. 232.92g		Switch to
Ő	Mirc 0.00 g	Max: 3,500.00 g	
ſ.	Tare <u>0.00</u> g	Zero	
Ţ		Container net weight (sample 1) 204.99 g	
		Average weight 0.00 g	
		Start weight 232.93 g	
		Diff to initial net weight -0.01 g	
EASY TOUCH		Container 2 $ ightarrow$	

Container net weight: By default, the first container is displayed with the tare weight.

Average weight: The average weight shows the calculated average values of the measured samples. Since it is the measurement of the first sample it is being displayed as 0 g.

Start weight: Here the weight of subtance 1 from sequence 1 is displayed.

Difference to initial net weight: Here we can see the difference between first subtance net weight of sequence 1 and sequence 2.



- Now will be able to measure the subtance weight of sequence 2
- Now place the weight on the scale and click on continue 2.
- Upon clicking on continue 2 the weight of the first subtance is captured and saved in the cache memory and you will be taken to the screen where you can measure the second substance.

	Difference Difference > Init process	English v Albert Admin,	□ ×
	KDP 3000 2 KDP 3000-2 3.5 kg 0 0.01 g		8
ନ	Difference procedure id : Diff-25092022213512	1	Reset
88			=
	. 232.96g		Switch to
ŧĢ;	Mir: 0.00 g	Max: 3,500.00 g	
<u> </u>	Tare O.OO g	Zero	
ť		Container net weight (sample 2) 204.99 g	
		Average weight 232.96 g	
		Start weight 232.89 g	
		Diff to initial net weight 0.07 g	
			,
EASY TOUCH	Container 1	Container 3 →	

Container net weight: The container net weight will be updated to the tare of the container 2.

Average weight: The average weight is calculated based on the measurement of substances in the particular sequence and is displayed.

Start weight: Here the weight of substance 2 from sequence 1 is displayed.

Difference to initial net weight: Here we can see the difference between the second net weight of sequence 1 and sequence 2.

- Now place the weight on the scale and click on continue 3
- Upon clicking on continue 3 the weight of the second sample is captured in the cache memory and you will be taken to the screen where you can measure the third substance.



ر ال	Difference > Init process	English v Albert	□ ×
	transi code         Model name         Max         Min         d           KDP 3000 2         KDP 3000-2         3.5 kg         0         0.01 g		8
ŵ	Difference procedure id : Diff-25092022213512 #Seq 2 Consecutive weighings ① (3 of 3 )	2	Reset
		1	
	. 232.90g		Switch to
ŧĜ;	Mir. 0.00 g	Мах: 3,500.00 g	
r.	Tare <u>0.00</u> g	Zero	
ÚÚ.		Container net weight (sample 3) 204.99 g	
		Average weight 232.93 g	
		Start weight 232.89 g	
		Diff to initial net weight 0.01 g	
KERN EASY TOUCH	Container 2	Save & proceed	

Container net weight: The container net weight will be updated to the tare of container 3.

Average weight: The average weight is calculated based on the measurement of substance 1 & 2 and is displayed.

Start weight: Here the weight of substance 3 from sequence 1 is displayed.

Difference to initial net weight: Here we can see the difference between the third net weight of sequence 1 and sequence 2.

- Now place the weight on the scale and click on save and continue
- On clicking save and proceed the user will get the success message that "data has been saved successfully".



• Once the data is saved successfully the user will again get the option to select "continue the



measurement of consecutive weight," "resume the weigh-filled containers later", "view analytics & finish" and "tap / click here to enter the additional data & print"

۲	Difference Difference > Container measurement		English∨	Albe	ert	• ×
						8
ŵ						
	Thank you for storing th	e consecutive weights				Memory
	An ID has been generated for this DIF	F procedure - Diff-02102022185823				
	Continue to measure consecutive weights	Pause now & resume				
۲Ċ3		Containers later				
ŀ		Tap/Click here				
		data / print				
KERN				ſ	Back	

•

# 6.0 Browse saved data

Navigate to the start screen and you will find an option "browse saved data". The difference weighing procedure data will be found here once the sequence 2 of the weighing has been completed

ĭã ₀	Difference English V 💭 Albert	×
		83
ନ	,	Memory
ŝ	2/2/3     Start new procedure     2/2/3     10-1     10-1     10-1       10-1     10-1     Resume a procedure     10-1     10-1	
ŀ		
KERN EASY TOUCH		

• With this option, user can be able to view the analytics of the procedure by selecting the procedure ID and can also able to take the print out of it.





#### View analytics and finish

Clicking on the "View analytics & finish", the below screen would be displayed where the user can see the complete details of the difference weight and can be able to export as PDF, excel, print or can finish the procedure.

#### Print

Clicking on the "print" would print the completed procedure.

# 7.0 Dynamic data

• All the saved data would be found in the dynamic database. Click on the database icon and navigate to the dynamic database



• Click on the filter and the below screen would be displayed. Kindly note, the last used function would be displayed by default.



	Database Databases > Reports list					¢	English 🗸	Alber	t	Ξ×
	Function Difference (1)	Search by		Sort by Created on - Descer	nding	From date 2021-09-25		To date 2022-09-25	88 🗎	
ନ	Measurement ID	Master object ID	TI.	Dynamic object ID	m	Dynamic object name	1	Created on	<b>F</b> 1	Export
88	DW-w25092022214139	6678		628717		Raw chicks		2022-09-25 21:41:	39	
A										
¢۶										
G										
EASY TOUCH									Back	)

- The list of dynamic data saved against the set filter would be found here
- Click on the required transactional data to see the complete set of details

	Database Databases > Reports list					¢	English	V Alber	t	□ ×
	Function Difference (1)	Searc -	by	Sort by Created on - Desce	ending	From date 2021-09-25		To date 2022-09-25	88 🗮	
$\widehat{\mathbf{A}}$	Measurement ID	🗊 Master object	D 🗐	Dynamic object ID	₹1	Dynamic object name	T.	Created on	T.	Export
	DW-w25092022214139	6678		628717		Raw chicks		2022-09-25 21:41:	39	
ŵ										
ſŀ										
)										
								_		
EASY TOUCH									Back	

• The saved data can be printed, exported as PDF and exported as excel.



	Database Databases > Reports list						🛞 English 🗸	Albert Admin,	- 8	×
	Function Difference (1)	Search by	DW-w2509202	2214139						
ନ	Measurement ID	Master object ID	Master object ID 6678			Master object name Chicken		ID number / Name 54567UYY		
88	DW-w25092022214139	6678	Dynamic object ID 628717 Status			Dynamic object name Raw chicks Created date / time		Difference procedure ID Diff-25092022213512 Created user name		
			Result	Chart	Additional Info.	2022-09-25 21:41:39		Admin supervisor		
ŵ			Container				Container name			
			1/3				Container name 1			
G			2/3				Container name 2	2		
			3/3				Container name 3	3		
			Average weight							
			Median net weight							
			^{Remarks} Done with the we	ighing_7689	189			-		
									Detailed result	
KERN EASY TOUCH						Close	Excel	Export as PDF	Print	

#### 7.1 Chart

The difference between the sequence would be displayed in the graphical format for easy understanding of the data.

Ke a	Database Databases > Reports list	English ~ Image: Albert ×
	Function Search by Difference (1) -	DW-w25092022214139
ŵ	Measurement ID 📰 Master object ID	Master object ID         Master object name         ID number / Name           6678         Chicken         54567UYY
	DW-w25092022214139 6678	Dynamic object ID         Dynamic object name         Difference procedure ID           628717         Raw chicks         Diff-25092022213512           Status         Created date / time         Created user name
		Completed 2022-09-25 21:41:39 Admin supervisor Result Chart Additional Info.
ŝ		
ŀ		
KERN		Close Excel Export as PDF Print

## 7.2 Additional data

The additional information as such the customer's name, order or batch number, cost center, comments entered in the result data will be replicated here along with the user information (who saved the result)





The end