



BRÖRING
INFORMATIONSTECHNOLOGIE

Française



Manuel

Bröring BIT PS 3.0 Bluetooth



Bröring Informationstechnologie
Gewerbering 4
49393 Lohne
Deutschland
Tel.: +49 4442 910436
E-Mail: info@broering.de
www.broering.de

Last revisited on: 11 October 2022

Table des matières

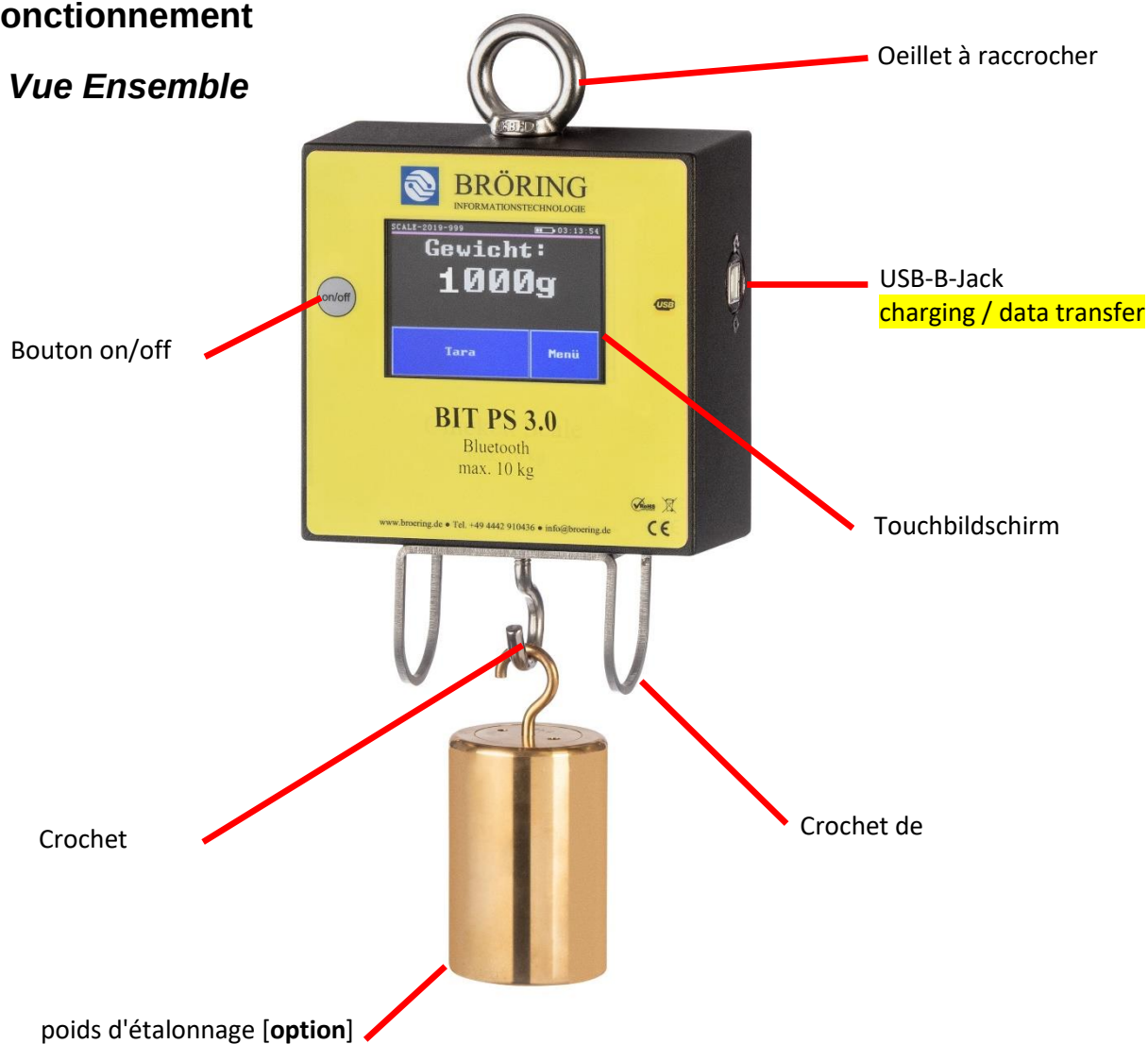
1 CONTENU DE LA LIVRAISON	4
2 FONCTIONNEMENT	4
2.1 VUE ENSEMBLE	4
2.2 MARCHE/ARRET	5
2.3 CHARGEMENT	5
2.4 PESAGE	5
2.5 INTERFACES	5
3 AFFICHAGE DE MESURES ET MODE DE FONCTIONNEMENT	6
3.1 AFFICHAGE DE MESURES	6
3.2 MODES DE FONCTIONNEMENT	6
4 TARA	8
5 MENU	8
5.1 SERIES DE TEST	8
5.2 STABILITE	9
5.3 ETALONNER LA BALANCE	9
5.4 REGLAGE HEURE / DATE	9
5.5 ARRET AUTOMATIQUE	10
5.6 MODE DE FONCTIONNEMENT	10
5.7 DEMARRER TARE	10
5.8 LANGUE	10
5.9 REINITIALISER LA BALANCE	10
5.10 SUPPRIMER LES DONNEES	10
5.11 ETALONNER L'ECRAN TACTILE	10
5.12 MODE DEBOGAGE	11
6 BLUETOOTH	11
7 ANDROID APP	12
7.1 INSTALLATION	12
7.2 STARTING THE APP	13
7.3 USING THE APP	14
7.4 ARCHIVE	16
7.5 MASTER DATA	20
7.6 SETTINGS	22
7.7 SELECT LANGUAGE	23
7.8 DISPLAY SCALE DATA	24
7.10 SEND DATA TO CLOUD	25
8 PC-SOFTWARE	25
8.1 INSTALLATION	26
8.2 PROGRAM START	26
8.3 LOAD DATA	28
8.4 HISTOGRAM	30
8.4 DELETING MEASUREMENT	30
8.5 SAVING DATA	31
8.5.1 CSV	31
8.5.1 PRINT	31
8.7 WEIGHT ANALYSIS	32
8.8 SELECT LANGUAGE	33
8.9 CHICK WEIGHTING	33
8.10 CLOUDUPLOAD	33
9 TECHNICAL INFORMATION	34
DECLARATION OF CONFORMITY	35

1 Contenu de la livraison



2 Fonctionnement

2.1 Vue Ensemble



2.2 Marche/Arrêt

La balance s'allume en appuyant sur le bouton marche / arrêt.

Appuyez sur le bouton (pendant plus de 3 secondes) pour éteindre la balance.

2.3 Chargement

La balance se charge à l'aide de l'adaptateur secteur fourni ou du chargeur de voiture fourni [5 V, 1 A]. Le chargement prend environ 3 heures avec l'alimentation livrée. La balance doit être éteinte pendant le chargement.

2.4 Pesage

Il y a un œillet sur le dessus du boîtier pour suspendre la balance.

Un crochet est monté sur la face inférieure du boîtier, qui est protégé par un protège-crochet. Une pince aile, par exemple, peut être montée dessus pour peser les poulets.

Poids maximum de 10 kg peuvent être pesés. En cas de surcharge, la balance affiche "**OVERLOAD**" au lieu du poids. De plus, le message "**ERROR**" sera affiché dès que le poids sera inférieur à -500 g.

Une fois qu'un poids a été reconnu stable, il est visuellement mis en évidence et gelé jusqu'à ce qu'il soit à nouveau retiré. Selon le réglage, un bref signal est émis lorsque le poids est stable.

2.5 Interfaces

La balance a une interface Bluetooth. En fonction du mode de fonctionnement, le poids peut être reçu et évalué via cette interface ou la série de mesure individuelle avec les données de mesure associées peut être demandée via l'application Android™.

Une interface USB est également disponible.

3 Affichage de mesures et Mode de fonctionnement

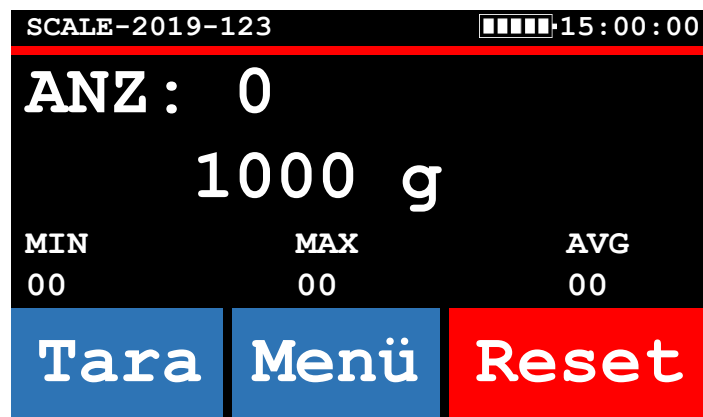
3.1 Affichage de mesures

Dans les deux modes de fonctionnement, le nom de la balance, le niveau de la batterie ainsi que la date et l'heure sont affichés alternativement dans la ligne d'en-tête en haut, séparés par une ligne rouge.

Le bouton "Tare" sert à tarer la balance et le bouton "Menu" permet d'appeler le menu pour effectuer les réglages.

3.2 Modes de fonctionnement

3.2.1 Mode Simple

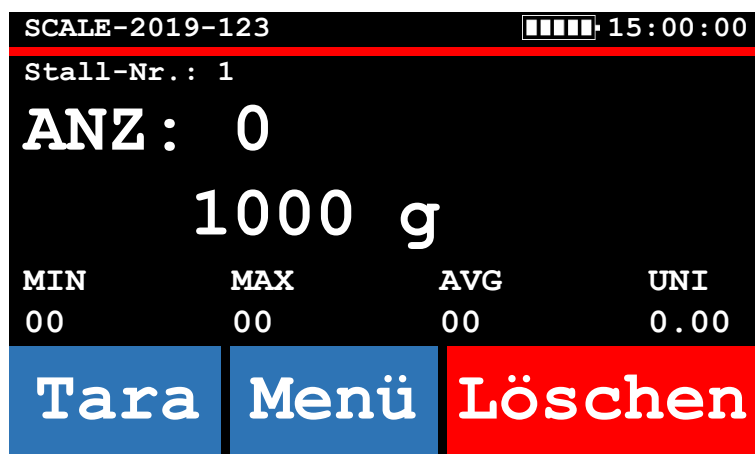


En mode simple, l'interface Bluetooth est activée en permanence. Les valeurs mesurées sont transmises en permanence via l'interface Bluetooth et peuvent être reçues et stockées avec une application sur une tablette. Aucune valeur mesurée n'est stockée sur la balance.

Cependant, une statistique simple sans uniformité est affichée à l'écran.

Les statistiques sont réinitialisées via le bouton "Réinitialiser".

3.2.2 Mode Avancé



En mode avancé, des séries de mesures peuvent être créées sur la balance. Les poids mesurés sont stockés sur la balance et les données statistiques sont affichées à l'écran en même temps.

Pour transférer les données sur une tablette, l'interface Bluetooth est activée et les séries de mesures individuelles peuvent être lues et traitées avec la tablette.

En mode avancé, le temps d'exécution est légèrement plus long car l'interface Bluetooth est désactivée la plupart du temps.

La dernière valeur mesurée peut être effacée en utilisant le bouton "Supprimer".

3.2.3 Statistique

The statistical readings on the display have the following meaning:

CNT	MIN	MAX	AVG	UNI
Number of measurements	Minimum	Maximum	Moyenne	Uniformité

4 Tara

Pour tarer la balance, appuyez sur le bouton "Tara" sur l'écran de mesure. La balance est ensuite tarée immédiatement. Une fois que le message "Tare ..." a disparu de l'écran, la balance est à nouveau prête à être utilisée.

5 Menu

5.1 *Séries de Test*

Ce menu est **uniquement** disponible en **mode avancé**.

5.1.1 Continuer Séries de Test

Continuer une série de Test déjà créée

5.1.2 Créer une nouvelle série de Test

Une nouvelle série de tests est créée. Vous serez invité à entrer un numéro de rue. Ce numéro peut être choisi à volonté et un numéro doit être saisi. La série de mesures en cours est terminée et ne peut donc pas être poursuivie.

S'il n'y a pas de données dans la série de mesures en cours, aucune nouvelle série de mesures n'est créée.

5.1.3 Terminer la série de tests

Terminer la série de tests actuelle

5.1.4 Changer le numéro de rue

Modifier le numéro de rue déclaré précédemment pour la série de tests active.

5.1.5 Démarrer la transmission de données

Le module Bluetooth est activé pour que la balance puisse être connectée à une tablette et que l'application BIT PS 3.0 puisse lire les données.

5.2 Stabilité

5.2.1 Poids Minimum

Le poids mesuré doit être supérieur au poids minimum pour que la balance puisse reconnaître le poids comme étant stable.

Plage: 20 g à 8 000 g.

5.2.2 Ecart

Ce paramètre est l'écart en pourcentage par rapport à la valeur moyenne des poids mesurés et peut être défini dans une plage de 2 % à 20 %. Plus l'écart est faible, plus le poids mesuré est précis, mais la détection de la stabilité prend plus de temps.

Si l'écart est élevé, un poids stable est détecté plus rapidement au détriment de la précision.

5.2.3 Tonalité de notification

Si un poids stable est détecté, il est possible de définir s'il est signalé par un signal sonore.

5.3 Etalonner la balance

La balance peut être étalonnée par l'utilisateur. Cela nécessite un poids de 1 kg.

Pour lancer l'étalonnage, appuyez sur le bouton "Étalonner la balance" dans le menu. Confirmez la requête avec "Oui".

Relâchez maintenant le crochet ou suspendez le support pour le poids de 1 kg au crochet ; puis touchez l'écran une fois pour que la balance soit tarée.

Fixez le poids de 1 kg et touchez à nouveau l'écran. La balance sera maintenant calibrée

Une fois l'étalonnage terminé, deux valeurs sont affichées et ne sont nécessaires que pour le diagnostic.

5.4 Réglage heure / date

5.4.1 Réglage heure

L'heure est entrée au format hhmmss. Par exemple, l'heure 15:00:00 est entrée ainsi 150000.

Le fuseau horaire [-12 à +12], qui est +1 (heure d'hiver) ou +2 (heure d'été) pour l'Allemagne, vous sera ensuite demandé.

5.4.2 Réglage de la date

La date est saisie au format jjmmaa. Par exemple, entrez la date 01.01.2019 comme suit : 010119.

5.5 Arrêt Automatique

Après une utilisation prolongée, la balance s'éteint automatiquement pour conserver la puissance de la batterie. Ce temps peut être réglé entre 1min et 15min.

5.6 Mode de fonctionnement

Ici, vous pouvez choisir entre le mode simple et avancé. Pour plus d'informations, voir **3. Affichage des mesures et modes de fonctionnement**.

5.7 Démarrer Tare

5.7.1 Pas de tare

La balance ne tarit pas lorsque vous l'allumez.

5.7.2 Requête Tare

Lorsque la balance est allumée, l'utilisateur doit spécifier si le tarage doit être effectué.

5.7.3 Tare Automatique

La balance tare automatiquement lorsqu'elle est allumée

5.8 Langue

Les langues allemand, anglais et russe sont disponibles.

5.9 Réinitialiser la balance

Réinitialiser la balance aux paramètres par défaut ; en outre, toutes série de mesures et données existantes sont supprimées.

5.10 Supprimer les données

Toutes les séries de mesures et données éventuellement existantes sont supprimées. Les paramètres sont conservés.

5.11 Etalonner l'écran tactile

Si l'écran répond mal aux entrées via l'écran tactile, un nouvel étalonnage peut être effectué ici. Pour ce faire, les croix qui apparaissent sur l'écran doivent être touchées l'une après l'autre avec un objet fin (p.ex. un crayon émoussé).

5.12 Mode Débogage

Ce paramètre n'est pas requis en mode de fonctionnement normal et ne doit pas être activé par l'utilisateur. Ce réglage n'est nécessaire que pour les réparations et les diagnostics.

6 Bluetooth

La balance dispose d'une interface Bluetooth. Le nom Bluetooth se compose de SCALE et le numéro de série, par exemple SCALE-2019-999. Le nom Bluetooth est également affiché dans l'en-tête. Pour une connexion Bluetooth existante, le nom est affiché en police verte, sinon en police blanche.

Le code **PIN** est réglé sur "**1234**".

7 Android App

The following describes the installation and use of the "BIT PS 3.0" app. The Android device should use at least Android version 4.4 (Kitkat).

7.1 Installation

Open the Play Store on your Android device and search for "BIT PS 3.0". Now click on "Install" to install the app. Alternatively, you can scan the QR code at the bottom of this page.

When the installation is finished, you can start the app.

If you have any questions regarding the installation or operation of the program, please contact us:

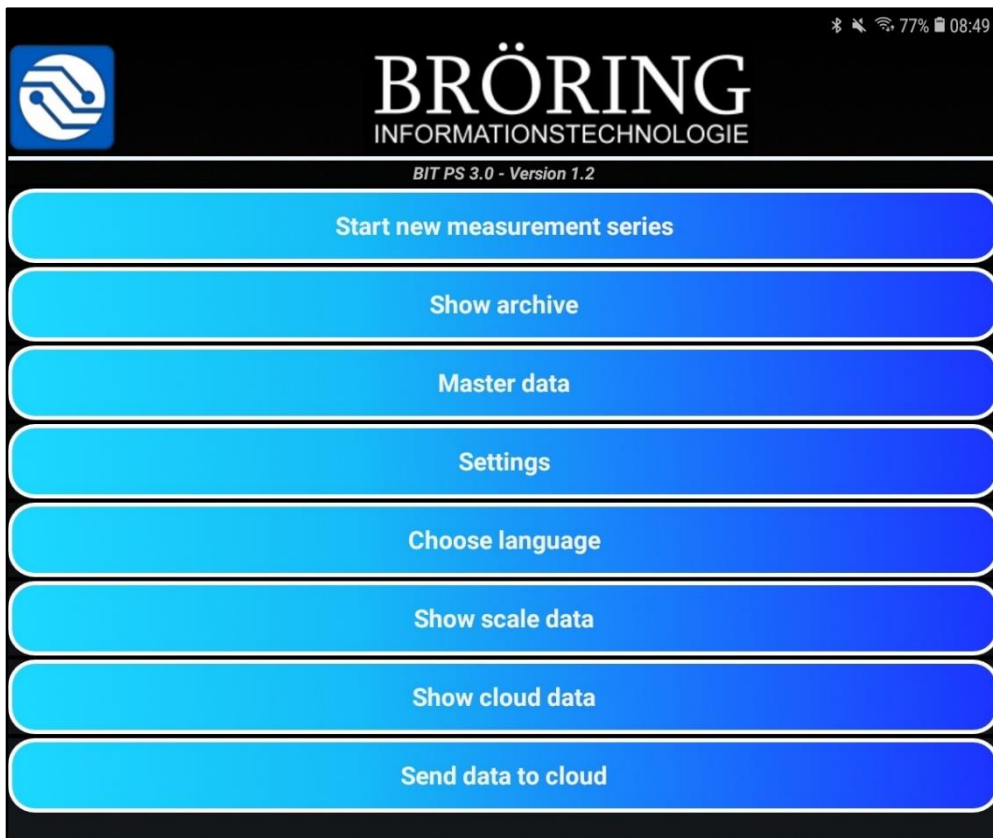


Bröring Informationstechnologie
Gewerbering 4
49393 Lohne
Germany
Phone: +49 4442 910436
E-mail: info@broering.de
www.broering.de



7.2 Starting the app

First check whether both the scale and the Android device are sufficiently charged and switched on, and then start the program. After starting the program, you will see the following screen.



In this menu you will find the following sub-items:

Start new measurement series: Create a new measurement series

Show archive: Open existing / archived measurement series

Master data: Create and edit master data

Settings: Setting Up a Bluetooth Connection to Your Scale

Choose language: Select language of app

Show scale data: View the data stored in the balance and save it on the Android device.

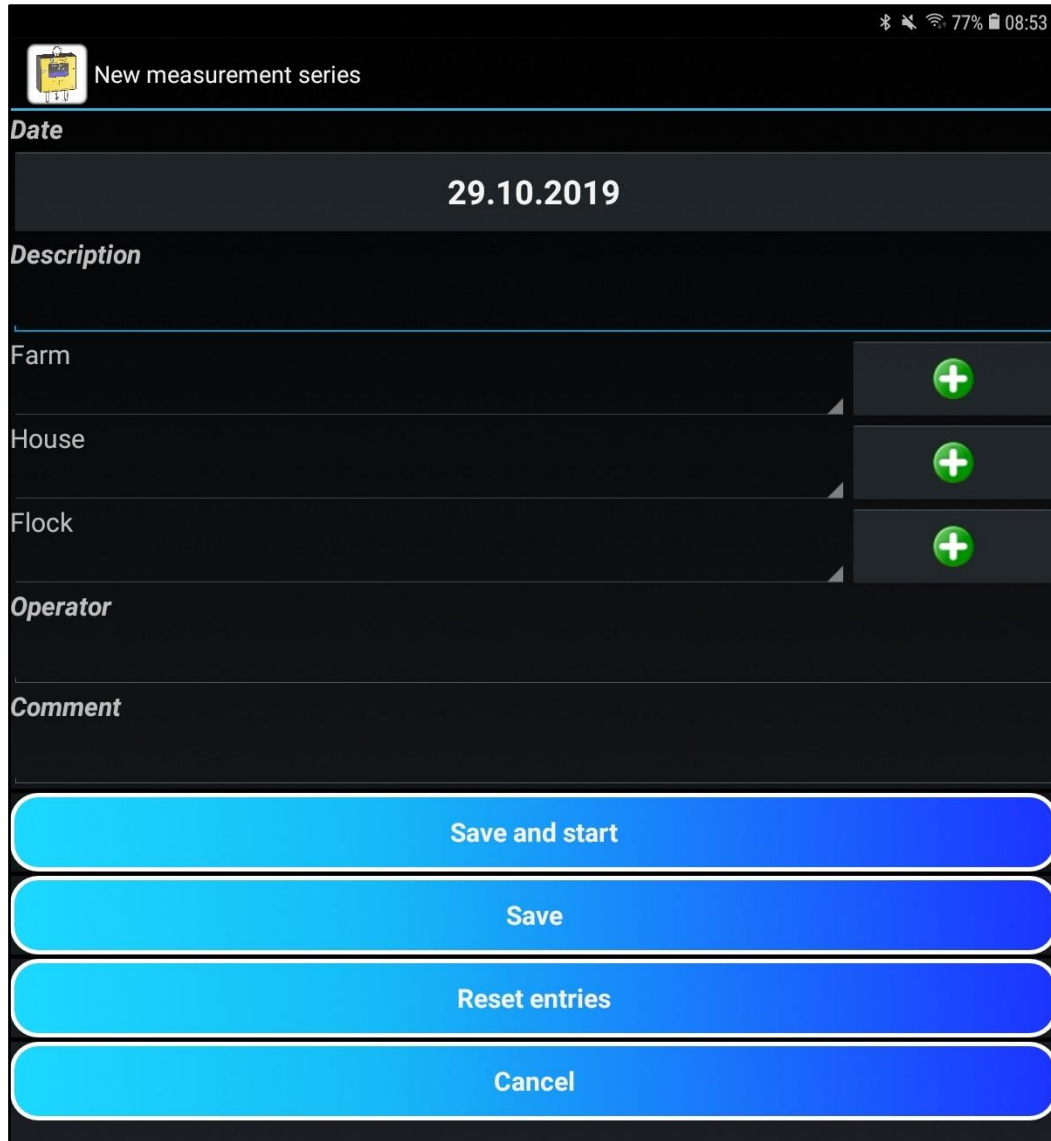
Show cloud data: View existing online data

Send data to cloud: Sending data stored on the Android device to the cloud

7.3 Using the app

7.3.1 Create new measurement series

To create a new measurement series, tap on the "**Start new measurement series**" field, which opens the following window.



New measurement series

Date
29.10.2019

Description

Farm 

House 

Flock 

Operator

Comment

Save and start

Save

Reset entries

Cancel

Once the necessary information has been entered, it can be saved using the "**Save**" button. Click the "**Save and start**" button to save and immediately start the newly created measurement series.

The "**Reset entries**" button resets all entries.

The "**Cancel**" button closes this page without saving the changes.

7.3.2 Starting a measurement

The measurement is started by tapping on "Save and start". Before this, either a new test series must be created (see Chapter 1.3.1) or an already started test series must be loaded from the archive for continuation (see Chapter 1.4).

During the measurement process you will see the following screen:

The screenshot shows the BIT PS 3.0 app interface. At the top, it says "BIT PS 3.0 - connected" in green. Below that is a large red "0". There are three blue buttons: "Exit", "Delete weight", and "Connect". Below the buttons, it says "Description: Lohne1" and "Flock: Lohne1". Then there is a table with statistics: CNT (5), MIN (58 g), MAX (59 g), AVG (58.40 g), and UNI (100.00 %). At the bottom is a table with individual measurements.

CNT	MIN	MAX	AVG	UNI
5	58 g	59 g	58.40 g	100.00 %

No	Date	Weight
5	2019-10-29 09:00:53	58 g
4	2019-10-29 09:00:43	59 g
3	2019-10-29 09:00:36	58 g
2	2019-10-29 09:00:28	59 g
1	2019-10-29 09:00:22	58 g

Exit: Ends the series of measurements

Delete weight: Deletes a weight previously selected in the table.

Connect: Connects your Android device to your scale

A spreadsheet and statistics are displayed beneath the buttons.

The statistics shows you the number of measurements (CNT), the minimum weight (MIN), the maximum weight (MAX), the average weight (AVG) and the uniformity (UNI).

The spreadsheet below shows you when which measurement was performed.

7.4 Archive

By pressing the button "**Show archive**" the following window opens:

CNT	MIN	MAX	AVG	UNI
2	993 g	993 g	993.00 g	100.00 %

No	Date	Description	House	Flock	Operator
8	2019-08-07	Bakum 4 Woche 4	Bakum 4	17.06.2019 Bakum	
7	2019-07-08	Bakum 4 Woche 2	Bakum 4	17.06.2019 Bakum	
6	2019-08-07	Bakum 4 Woche 2	Bakum 4	17.06.2019 Bakum	
5	2019-06-24	Bakum 4 Woche 1	Bakum 4	17.06.2019 Bakum	
4	2019-07-15	Lohne Woche 4	Lohne	17.06.2019 Lohne	
3	2019-07-08	Lohne Woche 3	Lohne	17.06.2019 Lohne	
2	2019-07-01	Lohne Woche 2	Lohne	17.06.2019 Lohne	
1	2019-06-24	Lohne Woche 1	Lohne	17.06.2019 Lohne	

In the window "**Show archive**" all created measurement series are listed. These can be processed using the icons in the title bar.

	Create a new measurement series (see chapter 1.3.1)
	Edit information about a selected, already existing measurement series
	Start the previously selected measurement series from the archive (see chapter 1.3.2).
	Delete a selected measurement series from the archive
	Send the measurement series, as CSV file
	Filter all measurement series according to the criteria "Date from", "Date to", "Description", "Farm", "Stable" and "Flock".

7.4.1 Editing a measurement series

Date	
29.10.2019	
Description	
Farm	
House	
Flock	
Operator	
Comment	

Pressing the "**Edit**" symbol opens the window shown above. Press this symbol to change or complete information about the measurement series previously selected in the archive.

If you have forgotten, omitted or incorrectly filled in information about the measurement series while creating it, you can use this button to change the missing or incorrect information.

7.4.2 Delete a measurement series

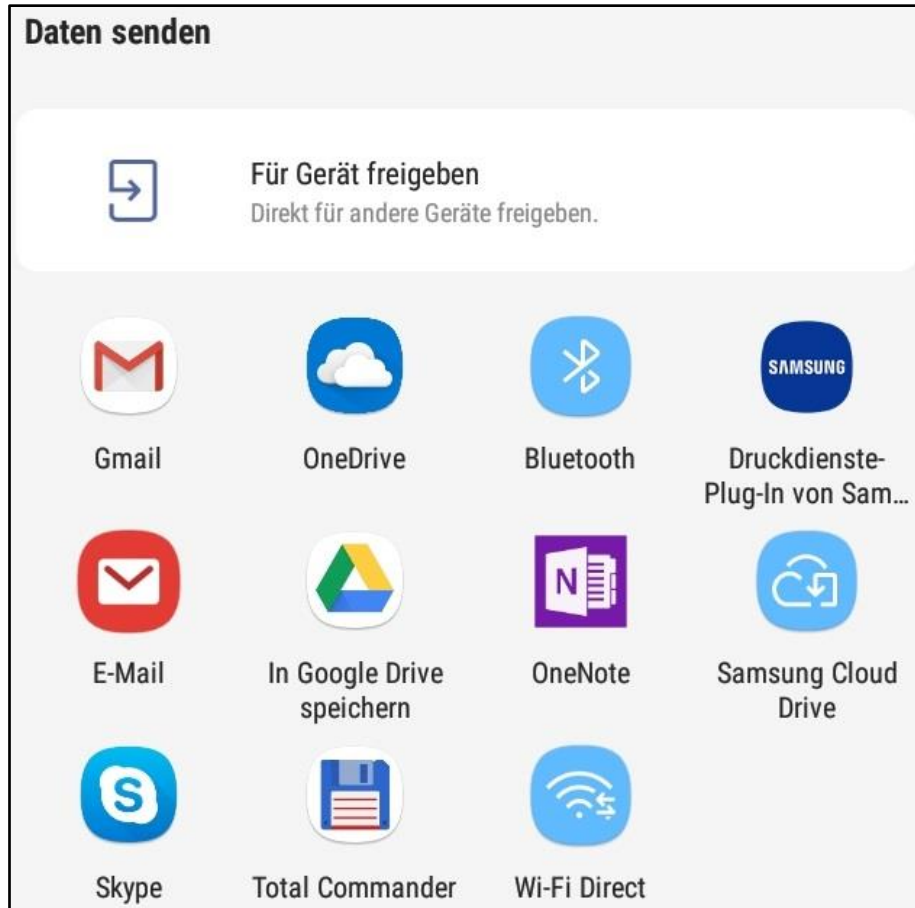
When the "**Delete**" symbol is pressed, the previously selected measurement series is deleted. Before this operation is performed, you will be asked whether you really want to delete this measurement series. (This is done to prevent accidental deletion of a measurement series.)

	
Confirmation	
Do you really want to delete the record? Description: 2019-018	
No	Yes

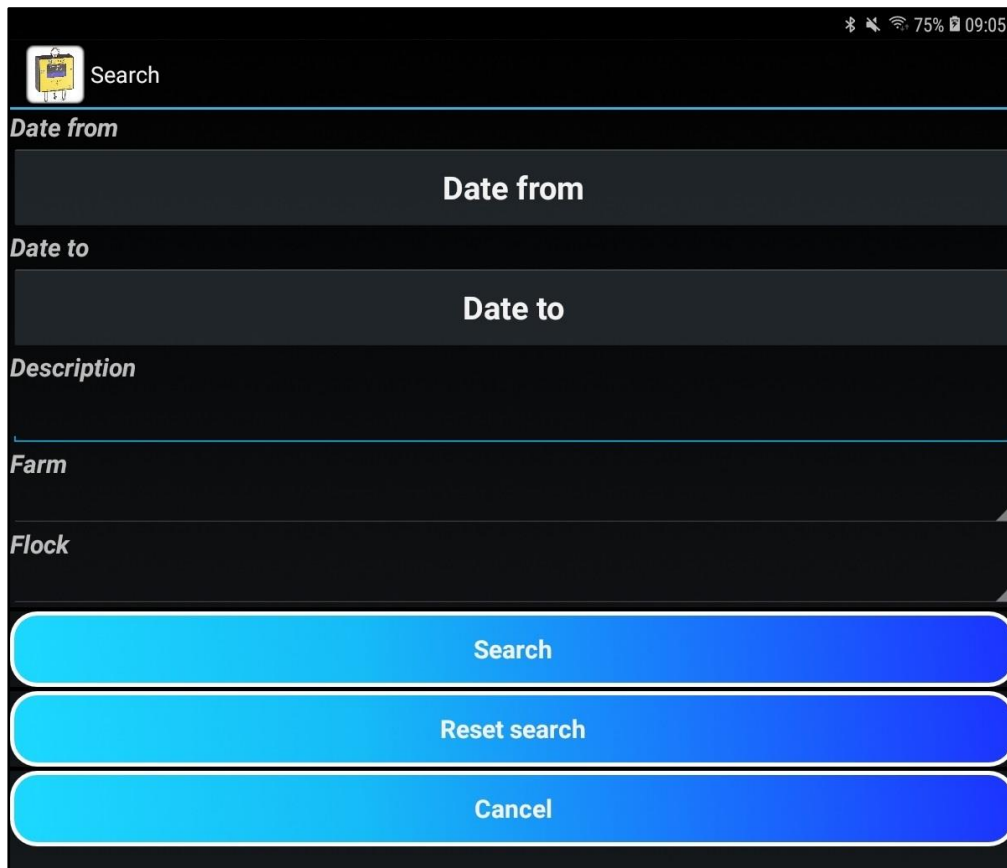
7.4.3 Sending measurement data

When you press the "**Send**" symbol, the menu shown below appears. In this menu you can select how you want to send the **data** previously **selected in the filter**.

The menu varies depending on the apps installed, the mobile device and the Android version of the mobile device



7.4.5 Filtering the measurement series



The screenshot shows a mobile application interface for filtering measurement series. At the top, there is a status bar with icons for Bluetooth, signal strength, 75% battery, and the time 09:05. Below the status bar is a header bar with a yellow icon and the word "Search". The main content area has a dark background and contains several input fields: "Date from" with a date picker icon, "Date to" with a date picker icon, "Description" with a text input field, "Farm" with a dropdown menu, and "Flock" with a dropdown menu. At the bottom, there are three large, rounded buttons: "Search" (yellow), "Reset search" (yellow), and "Cancel" (yellow).

When you press the "**Search**" icon, the window shown above appears. In this window, you can search all measurement series available in the archive according to criteria you can select, such as date, description or flock.

All measurement series affected by the search can be sent by pressing the "Send" symbol.

The "Send" function is explained in Chapter 1.4.3.

7.5 Master data



With the button "**Master data**" you open the above menu.

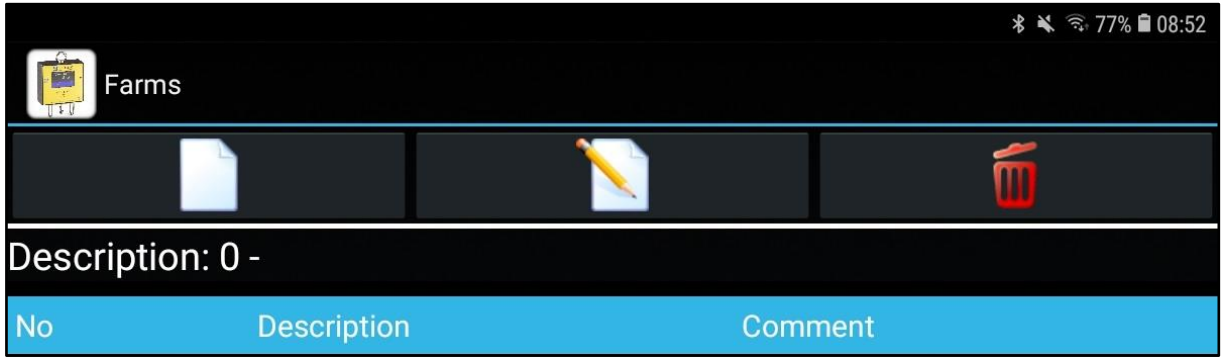
Farms: Create, edit and delete farms

Houses: Create, edit and delete houses

Flocks: Create, edit and delete flocks

The master data is essential for the sorting of your measurement data and the creation of diagrams.

7.5.1 Farms



	Create new Farm
	Edit already existing farm
	Delete currently selected farm

7.5.2 Houses

7.5.2 Houses

Bluetooth, Wi-Fi, 77%, 08:52

Houses

Icons: New House, Edit House, Delete House

Description: 1 - null

No	Description	Comment
48	test	
55	test2	

	Create new house
	Edit already existing house
	Delete currently selected house

7.5.3 Flocks

7.5.3 Flocks

Bluetooth, Wi-Fi, 77%, 08:52

Flocks

Icons: New Flock, Edit Flock, Delete Flock

Description: 2019014 - 2019014

No	Description	Comment	Race	Origin	Hatchdate
201900	2019006				2019-09-19
201900	2019005				2019-09-19

	Create new flock
	Edit already existing flock
	Delete currently selected flock

7.6 Settings

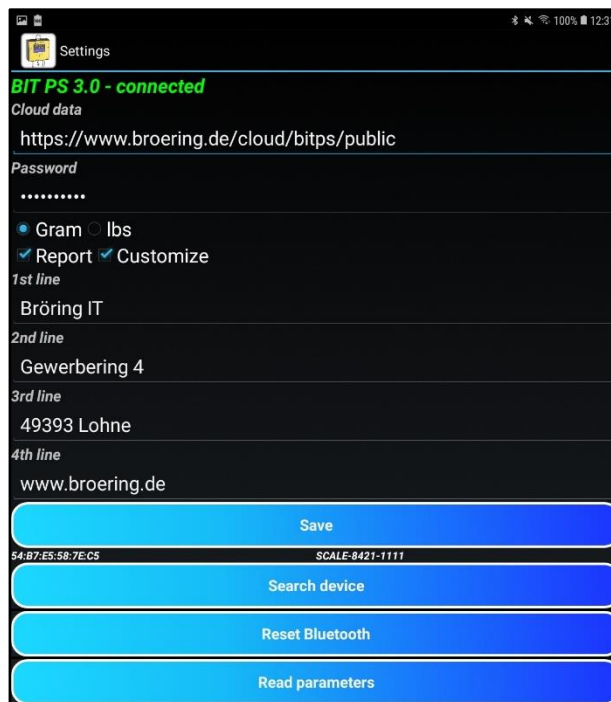
Click the "**Settings**" button to open the following window.

Save: Allows you to change the settings such as access data to the "Cloud", the displayed "Weight unit" and the "Report" as PDF in the APP. With "Customize" you have the possibility to personalize the PDF Report. The entered „lines 1 to 4“ are displayed in the PDF

Search device: Search for Bluetooth devices in the vicinity.

Reset Bluetooth: Deletes the Bluetooth connection to the scale.

Read parameters: Displays the scale settings, such as deviation and minimum weight.



7.6.1 Parameter

Change parameters: Allows you to change settings such as "automatic tare" and "notification tone". It is also possible to change the "timeout" (automatic shutdown), "deviation", "minimum weight", "weight unit" and "multi-weighing" in the scale

Set time: Allows you to synchronize the time of the scale with the time of the Android device



As soon as you have been connected to the scale via the app and you only use this one scale, the app automatically connects to the scale from now on. If you use more than one scale, the app will only try to connect to the last scale used.

The "**Reset Bluetooth**" button should be used when changing scales. It ensures that you can connect to another scale via the "**Search Device**" button and then have a permanent automatic connection with this scale. For this function Bluetooth must be active on your mobile phone or tablet.

As of Android 10(API Level 29), the "**Location**" must also be active on your mobile phone.

7.7 Select language

Click the "**Language**" button to open the following menu. In this menu you can change the language of the app. Selectable languages are German, English and Russian.



7.8 Display scale data

This sub-item of the main menu is used with the "Advanced Mode" of the BIT PS 3.0. To do this, you first must perform the weighing with the scale and then export the data to your mobile device. It is important that the data transfer is activated in the scale.

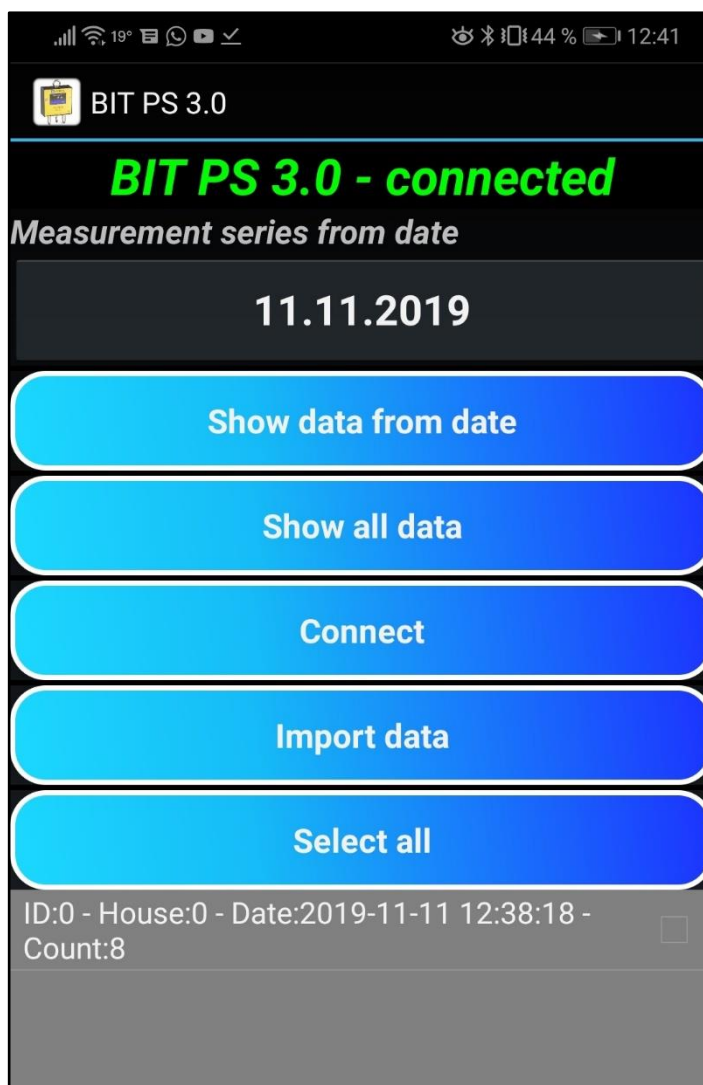
Show data from date: Displays all completed and non-exported measurement data after a selected date.

Show all data: Displays all completed and non-exported measurement data.

Connect: Connects the mobile device to the scale.

Import data: Imports all selected data.

Select all: Selects all measurement series



Pressing on a measurement series selects this measurement series. This is indicated by a blue checkmark on the right side. Measurement series that have already been imported are no longer displayed.

This method is recommended in particular for hygienic reasons when for example using a private telephone.

This feature is only available if you have a cloud account.

With a touch of the button "**Show Cloud Data**" our website opens in your standard browser. Here you can view your measurement series and download them as CSV files for programs such as Excel™.

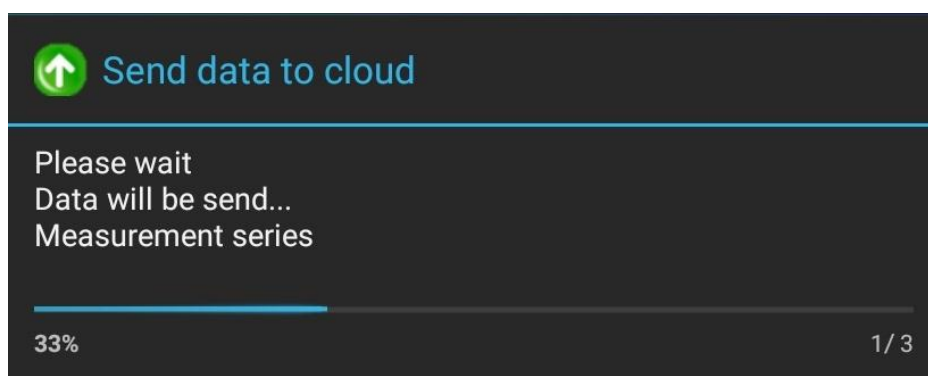
In order to access these functions, however, you must first log in.



7.10 Send data to cloud

This feature is only available if you have a cloud account.

With a click on the button "**Send data to cloud**" the measurement series are synchronized with the online data. This allows the measurement series to be viewed and downloaded via the Internet.

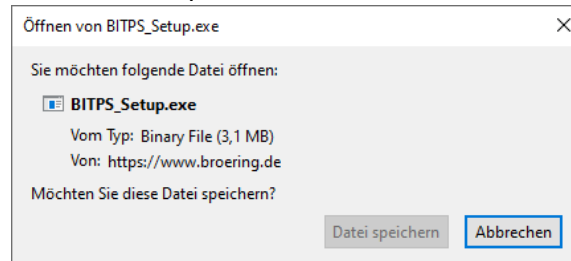


8 PC-Software

The following describes the installation and use of the "BIT PS 3.0" software. The end device should be operable with at least Windows 7.

8.1 Installation

Download the BITPS 3.0 software from www.broering.de/eq/bitps.exe. To do this, enter the link in your web browser. A small window will open. Click on "Save file".



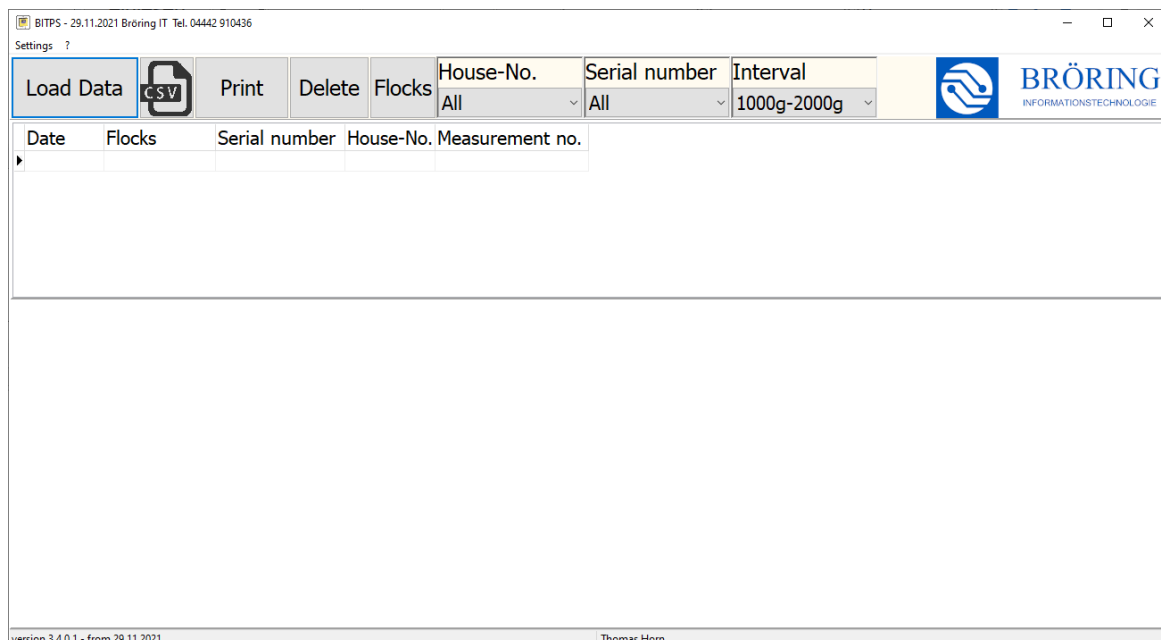
Then start the corresponding BITPS_Setup.exe file. You will normally find this in your download folder.

Click on "**Next >**", select the installation path and install the program.

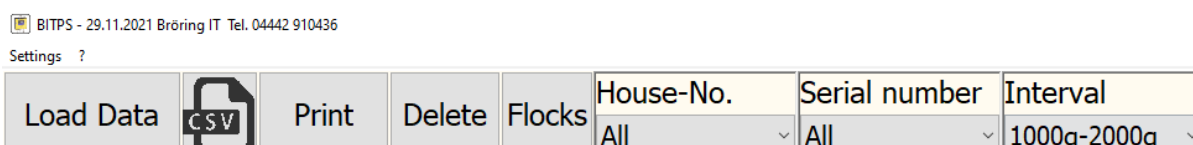
8.2 Program start

When you start the programme for the first time, you will not see any data. To import the data from your scale into the PC software, connect it to the PC using the USB-B cable and click on the "Load data" button.

This is explained in more detail in chapter 8.3 Importing measurement data.



At the top of the window you will find two menu bars.

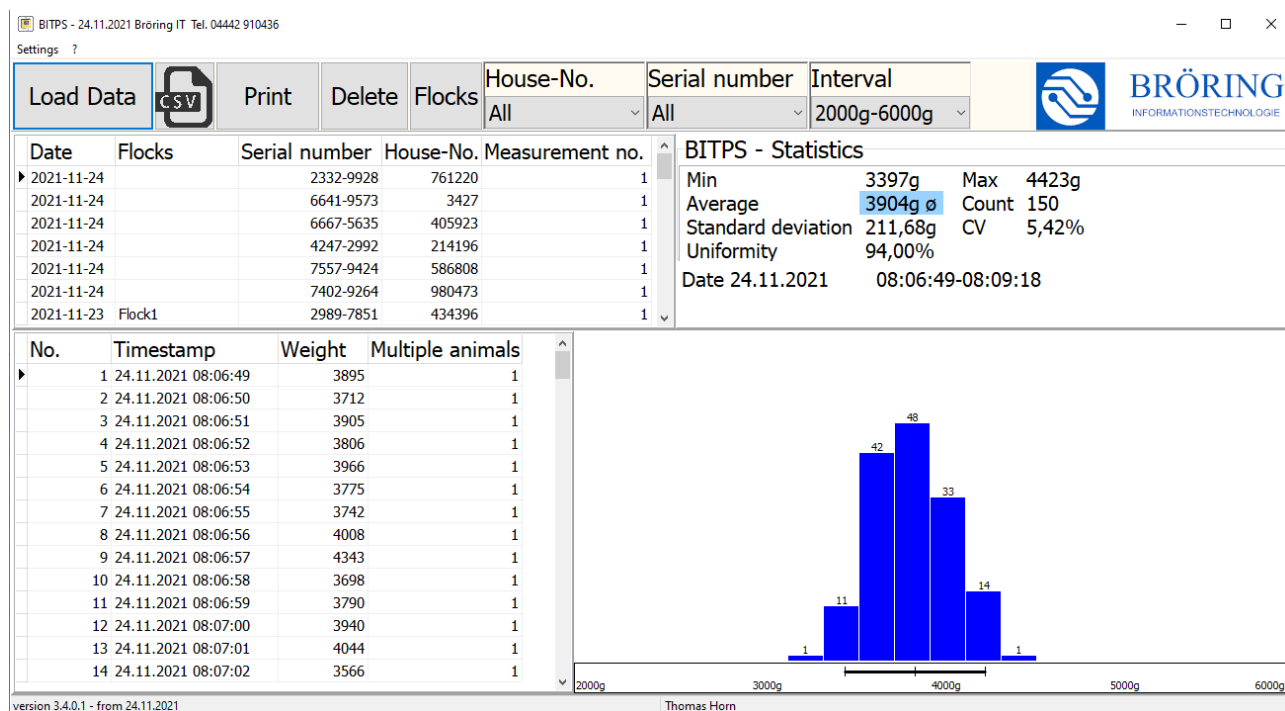


In the upper menu bar there are the following items:

- Settings:** Menu for selecting language, print options, cloud upload, and chick weighting
- ?:** Link reference to the BITPS 3.0 manuals/instructions
- Language:** Change of languages in german, englisch, spanish, russian and chinese
- Print options:** Entering your own address and logo of the print preview
- Upload:** Possibility to upload to the cloud database or own SQL database
- Unit:** Display change between grams (g) and pounds (lbs)
- Chick weighting:** Possibility of chick weighting with connection of a Laboratory scale

In the lower menu bar you will find the following items:

- Load Data** Opens a window for loading the data
- CSV**  Saves a measurement series in .csv format
<https://www.mud-tierschutz.de/mud-tierschutz/beratungsinitiativen/etablierung-eines-managementtools-bei-legehennen/mtool-fuer-jung-und-legehennen/>
- Print:** Print the selected measurement series
- Delete:** Deleting measurements
- Flocks:** Flock registration and weight analysis
- Filter:** Sorting possible according serial number and houses no.
- Interval:** Selection of the interval limits of the weight distribution histogram



If you have already read in data, you will see a database table with the header data of the individual measurement series and below that the individual measurements. In the upper right

part you see the statistical evaluation and in the lower right a histogram of the individual weighings.

In the histogram you see weight intervals and the number of animals that fall into the respective interval. The +- 10% range over which the uniformity is calculated is marked by a horizontal bar below the diagram.

Interval

1000g-2000g

The resolution of the x-axis can be changed in the interval dropdown menu.

House-No.

All

Serial number

All

In the lower menu bar there is a filter option with which you can search or sort your measurement series according to "Serial No." and "houses No.".

8.3 Load Data

To read out measurement data from the scale, press the "Load data" button. Before doing so, connect the scale to the PC using the USB-B cable.

A new window opens and the data of the scale is displayed.

BITPS - 24.11.2021 Bröring IT Tel. 04442 910436

The scale with the serial number 8421-1111 was successfully read 24.11.2021

version number: V2.1.6

ID	Timestamp	Count	House-No.
0	14.09.2021 15:56:41	2	50005
1	14.09.2021 15:57:49	4	60006
2	14.09.2021 15:59:51	3	80008
3	01.10.2021 08:00:47	51	1230123
4	01.10.2021 08:43:18	9	110002
5	01.10.2021 08:49:55	12	10001
6	01.10.2021 08:51:06	3	50089
7	01.10.2021 08:52:18	55	50005
9	13.10.2021 11:03:30		
11	16.11.2021 11:36:57		

Confirmation

New scale available! Do you want to save ALL data or from a certain date? This could take some time.

Yes since date

Cancel

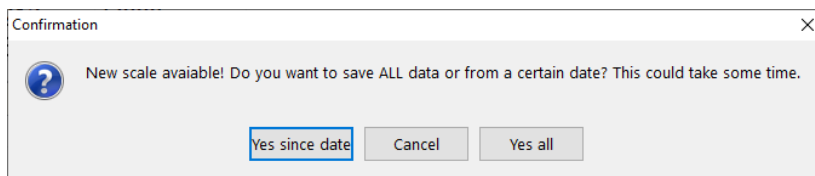
Yes all

No.

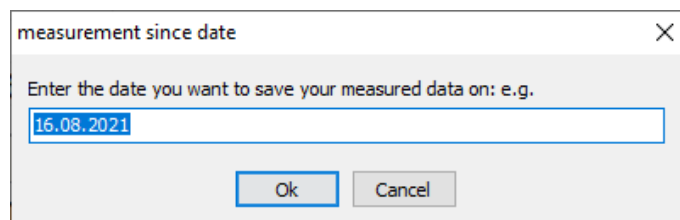
Timestamp

Weight

The programme checks which data has already been transferred. If a scale is connected to the PC for the first time and a lot of data has been stored on the scale, it may take a while to read it out. To avoid this, data can also be read in only from an entered date. This may save long loading times.

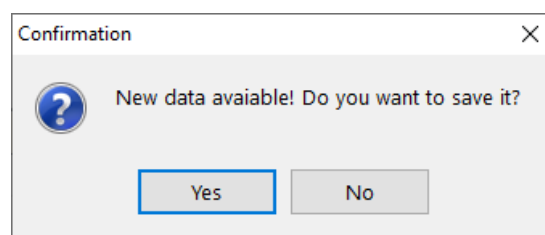


If you want to save data from a certain date, click on "Yes" and a new window opens. Enter your desired date there.

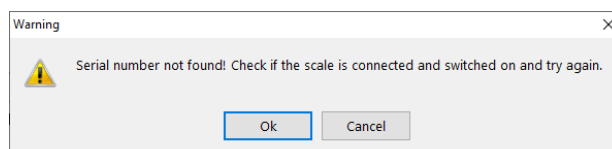


The programme only reads out new data. If you want to read out older data later, it is not so easy. To do this, you have to delete the old data in then programme up tot he desired old data. Normally, the following window opens:

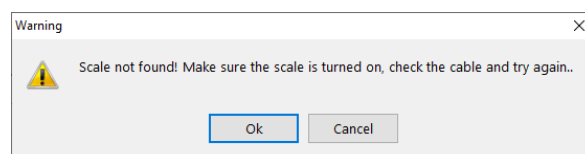
With a simple click on "Yes", you automatically save your new measurement data in the attached database.



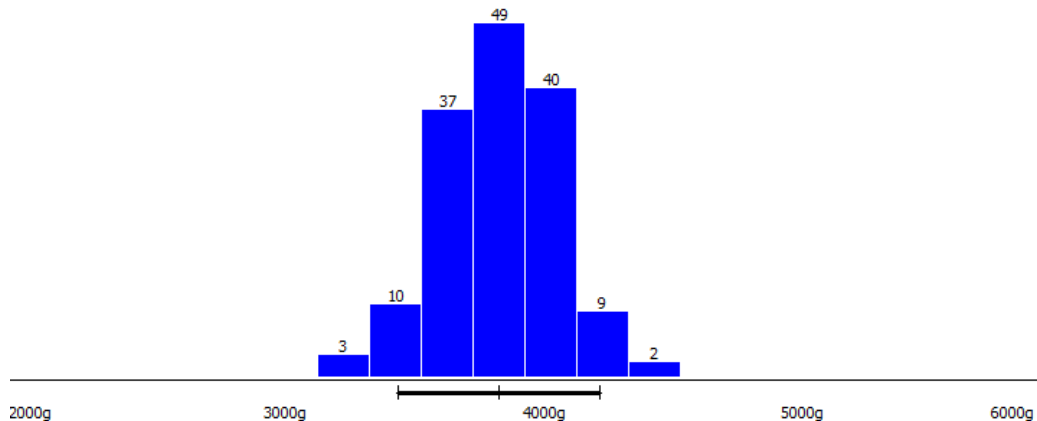
If this error message appears, you have probably not switched on your scale correctly or your scale connection has not yet been recognised. Make sure that your scale is switched on and continue with the "OK" button.



Check the USB cable on your scale and on the connected PC or laptop and continue with "Yes".



8.4 Histogram



Here you can see the histogram again.

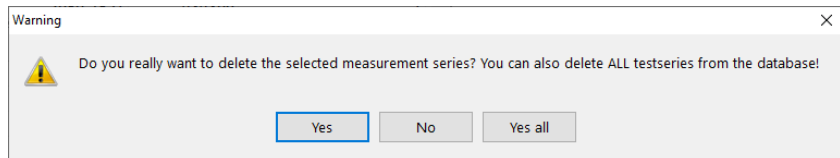
The blue bars mark the respective intervals. The number above the bars is the number of individual weighings that fall within the respective interval.

If you see a horizontal red arrow in the histogram, there are weighings that are no longer in the visible area of the diagram. Simply click on the  arrows to change the interval.

8.4 Deleting measurement

If unusable or erroneous measurement data has been uploaded to the software, you can easily remove it with the "Delete" button.

A pop-up menu opens which ensures that you really want to delete the read-in measurement series. You also have the option of deleting all your measurements.



In addition, it is possible to delete individual measurement data of a measurement series. To do this, simply right-click on the desired row and click on "Delete" to remove it.

No.	Timestamp	Weight	Multiple animals
1	24.11.2021 08:06:49	3895	1
2	24.11.2021 08:06:50	3712	1
3	24.11.2021 08:06:51	3905	1
4	24.11.2021 08:06:52	3806	1
5	24.11.2021 08:06:53	3966	1
6	24.11.2021 08:06:54	3775	1
7	24.11.2021 08:06:55	3742	1
8	24.11.2021 08:06:56	4008	1
9	24.11.2021 08:06:57	4343	1
10	24.11.2021 08:06:58	3698	1
11	24.11.2021 08:06:59	3790	1
12	24.11.2021 08:07:00	3940	1
13	24.11.2021 08:07:01	4044	1
14	24.11.2021 08:07:02	3566	1

8.5 Saving Data

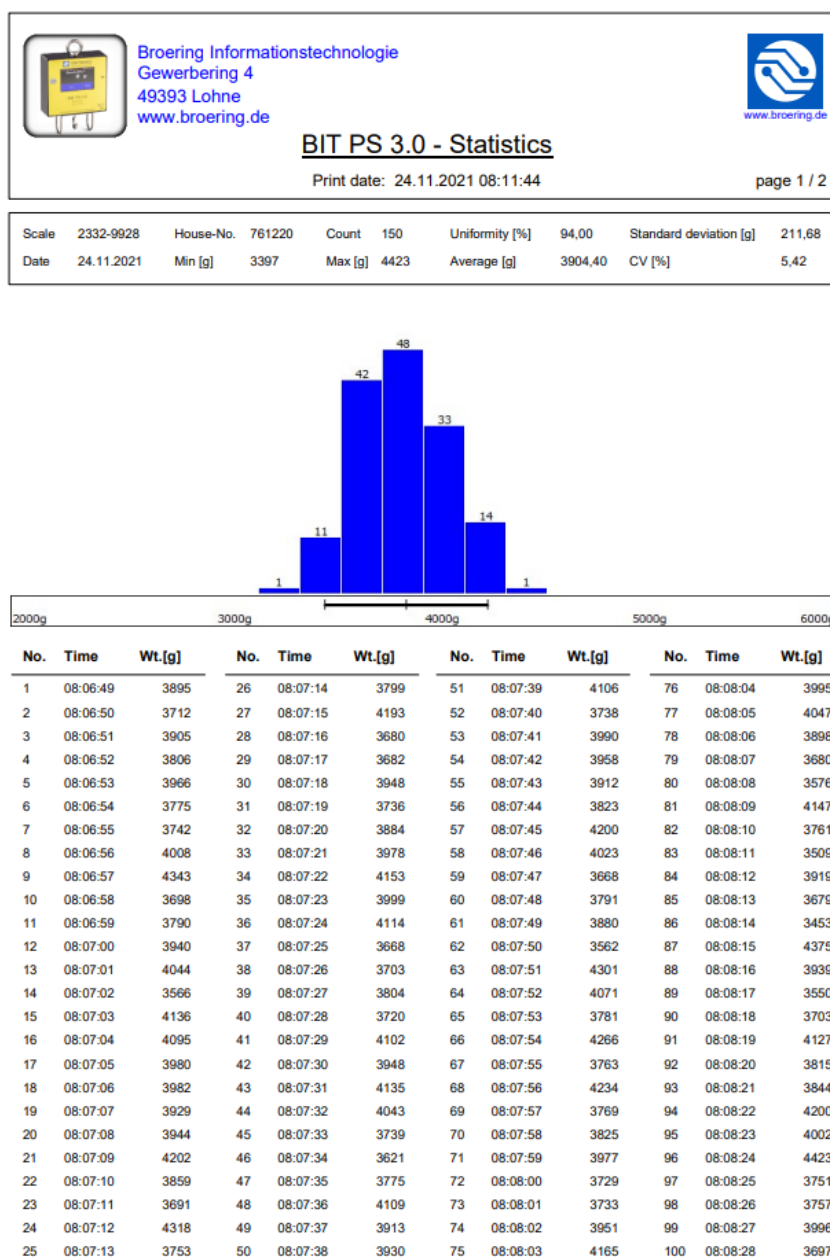
8.5.1 CSV

With our software it is possible to save your measurement series as a .csv file and integrate it into the MTool animal weight analysis programme.

To do this, you only have to click on your desired measurement series and on the  button in the upper menu bar and a window will appear to save your data.

8.5.1 Print

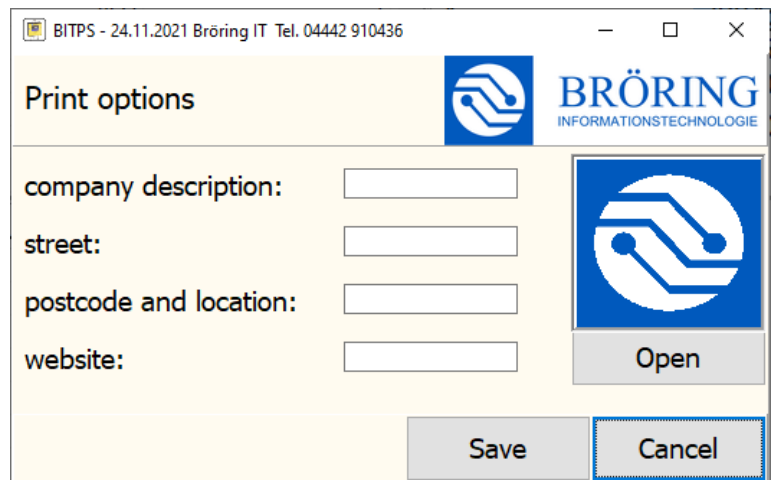
If you want to print out a completed measurement series, this is possible by clicking on the menu item "Print" in the main window. A new window appears with a print preview



On this information sheet you can see an evaluation of your measured values, a histogram and your measured values which you can print out. By pressing the button  you can print the document as known.

It should be noted that the header with the company address and logo can be changed at will.

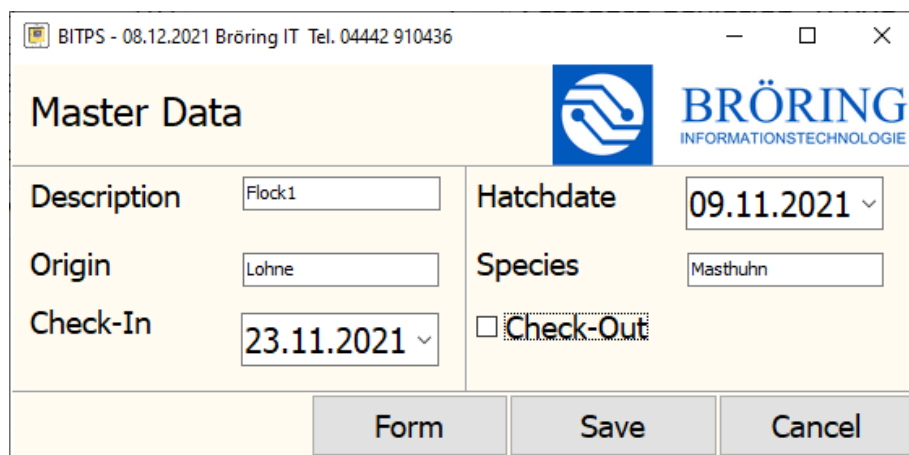
To do this, click on the menu item "**Print options**" in the "**Settings**" menu bar. A new window appears with 4 input options and an option to upload your logo.



With the button "**Open**" you can upload your desired logo by default. After you have added your address in the text fields, you can confirm your entry with "**Save**" and a confirmation window appears.

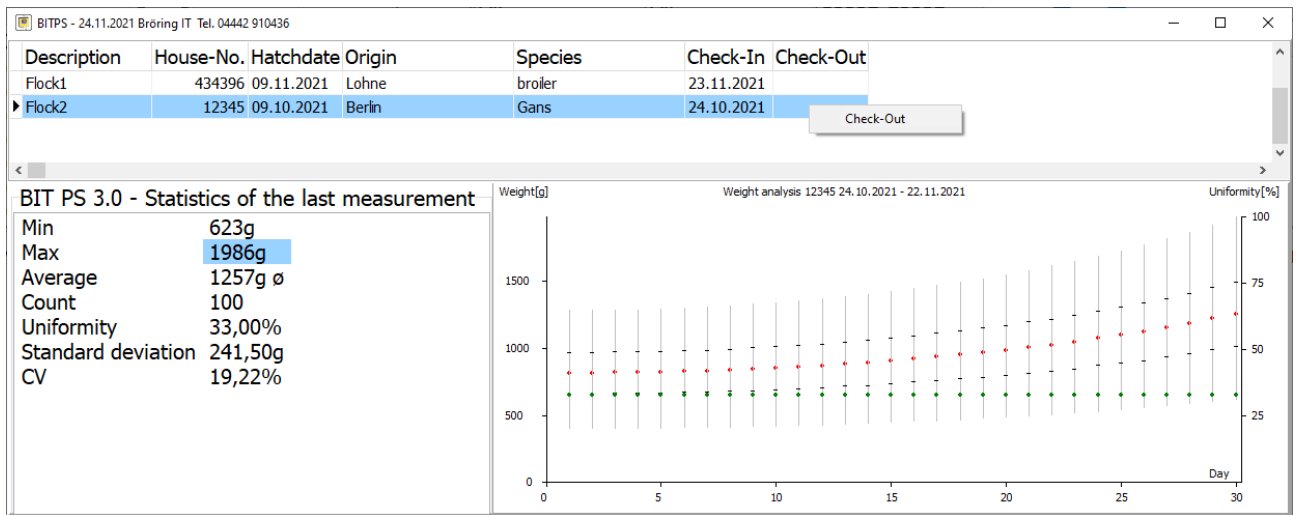
8.7 Weight analysis

To enter a herd, first select a measurement series of a barn and click on the button "**Flocks**". A new form appears to enter the herd information. For the weight analysis, the Check-in date and the hatchdate are required. In addition, the origin, the species, the Check-out date and also a name for the herd can be entered.



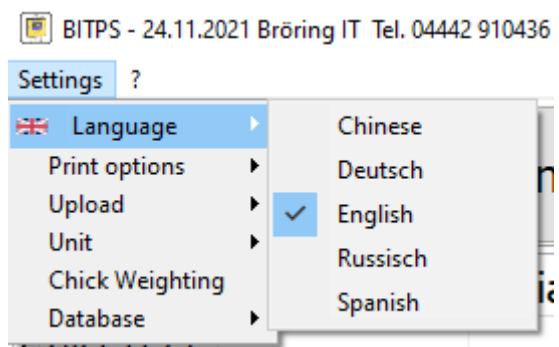
To view the horde analysis click on the button "Form".

There you can see the herd depending on the stabling date and statistics of the last stabled measurement series. In addition, you can see the weight of the herd over a certain period of time. If a herd has been stabled for more than 40 days, weeks instead of days are displayed for clarity. In this form, the date of removal can be entered by selecting the barn and right-clicking on it in the supplement. This makes the barn available again for new flocks.



8.8 Select Language

To change the language, open the menu item "Language" in the main window. There you can choose between the languages German, English, Spanish, Chinese and Russian.



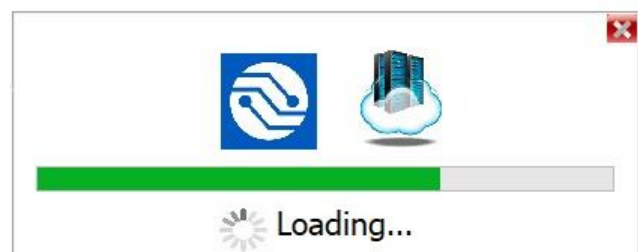
8.9 Chick weighting

There is a possibility to weigh chicks with a laboratory scale. To do this, the chicks are simply placed on the scales and recorded when the weight is stable. This data can then be completed with the "Close" button and is then recorded in the database. The current weight of the scales is constantly displayed and "beep" sounds indicate whether a chick can be recorded or a new chick can be weighed.

8.10 Cloudupload

This function is only available if you have cloud access.

Under the menu item "Upload" it is possible to upload your data to a cloud database. All data that has not yet been recorded by the cloud database is automatically uploaded. You can also have your data uploaded to your own server.



9 Technical information

Technical specifications:

Device designation:	BIT PS 3.0
Protection class:	IP23, Protected from water spray
Temperature range:	Operating 5 °C to 45 °C, storage 0 bis 60 °C
Air humidity:	Max. 90%, non-condensing
Rechargeable battery:	18650 Li-Ion, 1 cell, 3000 mAh
Battery life:	Up to 16 hours
Charging time:	Approx. 3 hours
Battery charger:	5 V DC, 1 A, external USB power supply unit
Connector:	USB type B
Bluetooth:	Class 2, up to 10 m
Dimensions:	206 x 125 x 57 mm (H, W, D)
Weight:	806 g
Accessories:	Battery charger (Output 5V/1A, Input 100-240V/50-60Hz), In-car charger (Output 5V/1A, Input 12V DC), USB-cable (USB type B to USB Type A), User Manual, Carrying case
Optional:	Various suspending devices for chickens, Calibration weight 1 kg

Safety notices:

This device complies with the standards 2004/108/EC (electromagnetic compatibility) and 2006/95/EC (low voltage) as specified in Supplement 93/68/EEC (CE mark of conformity).

Trademarks:

"Android" is a trademark of Google LLC.

"Excel" is a trademark of Microsoft Corporation.



Bröring Informationstechnologie

Gewerbering 4

49393 Lohne

Germany

Phone: +49 4442 910436

E-mail: info@broering.de

www.broering.de

Declaration of Conformity

Konformitätserklärung für Geräte mit CE-Zeichen
Declaration of Conformity for devices with CE sign
Déclaration de conformité pour appareils portant la marque CE
Declaración de conformidad para aparatos con marca CE
Dichiarazione di conformità per apparecchi contrassegnati con la marcatura CE

Konformitätserklärung: Wir erklären hiermit, dass das Produkt, auf das sich diese Erklärung bezieht, mit den nachstehenden Normen übereinstimmt.

Declaration of conformity: We hereby declare that the product to which this declaration refers conforms with the following standards.

Declaración de conformidad: Manifestamos en la presente que el producto al que se refiere esta declaración está de acuerdo con las normas siguientes

Déclaration de conformité: Nous déclarons avec cette responsabilité que le produit, auquel se rapporte la présente déclaration, est conforme aux normes citées ci-après.

Dichiarazione di conformità: Dichiariamo con ciò che il prodotto al quale la presente dichiarazione si riferisce è conforme alle norme di seguito citate.

Digitales Messsystem: EggQuality

EMV-Richtlinie 2004/108/EG EN 55022:2010 EN 61000-3-2:2006+A1:2009+A2:2009 EN 61000-3-3:2008 EN 55024:2010

Lohne, 1. Januar 2018

