

VolumeScannerProfessional

Saving of measurement data

For

Volume scale 3D Silence

Volume Measurement System VGM

Volume Measurement System VGR

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Foreword:

There are different ways to transfer the data to a Host system. Volume Scanner Professional can give out the data as a .csv file or store them in a SQL database. By default, the following measured values are stored:

- Barcode
- Weight
- Volume weight
- Length
- Width
- Height
- Volume

Measured values:

There are different possible settings, at which time the measured values are to be stored. The different versions are now displayed.

Manual confirmation:

Volume scale 3D Silence:

When manually confirming, the object on the scale is measured and the measured values are displayed on the monitor of Volume Scanner Professional. The operator has the possibility to check the data and scan or type a barcode. The measurement values are stored, by pressing „Wiegung bestätigen“

Volume Measurement System VGM/VGR

During manual confirmation, the object is placed on the roller track / the conveyor belt. The object will be measured and if it is completely driven through the light grid, the measured data is shown on the monitor of Volume Scanner Professional. The operator has the opportunity to check the data and scan or enter a barcode. The measurement values are stored, by pressing „Wiegung bestätigen“.

Automatic confirmation:

Volume scale 3D Silence:

The object is placed on the volume scale and the values are displayed on the monitor of Volume Scanner Professional. The operator can scan the bar code of the object. Once the barcode has been completely read, the measured values are stored directly. No further manual input of the worker is necessary.

Volume Measurement System VGM/VGR:

The flow of automatic confirmation of the volume measuring systems VGM and VGR differs as follows. First, the bar code of the object is scanned. The weight data are collected. when the object moves on the volume measuring system. If the object is completely driven through the light grid, the measured data are displayed and stored directly on the monitor of Volume Scanner Professional.

Configure the location of storage:

Volume Scanner Professional allows to store these values as a .csv file to a SQL database.

Save in an SQL database:

Do you want to store the measured values in a SQL database, you must select in the configuration the checkbox "SQL". Here you have the option of choosing whether you want to use the supplied BOSCHESQL database or an existing external SQL database.

BOSCHE SQL Server:

Bosche supplies on request a separate SQL database. The service of this database may be located on the computer (127.0.0.1) or on an external server. You can set the localhost IP address or the server's IP in the box "Connection String". You can define in the InsertString box, in which table of the database the measured data should be stored and in what order.

Standard insert string:

```
INSERT INTO WEIGHING (DATE,TIME,NUMBER,WEIGHT,VWEIGHT,WIDTH,LENGTH,HEIGHT,VOLUME)
VALUES ('%%VAR_DATE%%','%%VAR_TIME%%','%%VAR_NUMBER%%','%%VAR_SCALE_WEIGHT%%','%%VAR_VOLUME_WEIGHT%%','%%VAR_WIDTH%%','%%VAR_LENGTH%%','%%VAR_HEIGHT%%','%%VAR_VOLUME%%')
```

The data is written into the table WEIGHING. The table WEIGHING has the following columns: DATE, TIME, NUMBER, WEIGHT, VWEIGHT WIDTH, LENGHT, HEIGHT und VOLUME.

In the %% the variables of the software Volume Scanner Professional are in the order, in which the data sets should be registered into the columns of the table. When data is not required, or static data should be added, an adaptation of the field "Insert SQL" is merely necessary.

Example of a data set into the database Bosche:

DATE	TIME	NUMBER	WEIGHT	VWEIGHT	WIDTH	LENGTH	HEIGHT	VOLUME
14.08.2015	10:29:25	123456	6,100	55,493	465	765	780	277466

External SQL Server

If you want to use your own SQL Server, select in the configuration checkbox „Externer SQL Server“. The function of the field "Insert SQL" is the same as in the Bosche SQL Server. For an external SQL Server you must adjust the connection string. If you need help by creating the connection string, please contact Bosche GmbH & Co. KG

Save as a .csv file:

Do you want to save the values as .csv file, you must select the checkbox "CSV" in the configuration. Here you have the possibility to choose whether to save the data locally (on the storage location of the software) or in a defined folder path. You can also use the checkbox "Als Liste speichern" to choose whether the data should be saved in a .csv as a list or if a separate .csv should be created for each dataset.

In the CSV Line, you can define the order in which the data should be stored in the CSV.

Example CSV Line:

```
%%VAR_DATE%%;
%%VAR_TIME%%;
%%VAR_NUMBER%%;
%%VAR_SCALE_WEIGHT%%;
%%VAR_VOLUME_WEIGHT%%;
%%VAR_WIDTH%%;
%%VAR_LENGTH%%;
%%VAR_HEIGHT%%;
%%VAR_VOLUME%%;
%%VAR_Reserve1%%;
%%VAR_Reserve2%%;
%%VAR_Reserve3%%;
%%VAR_Reserve4%%;
%%VAR_Reserve5%%;
```

In the %% the variables of the software Volume Scanner Professional are in the order, in which the data sets should be registered into the columns of the table.

Example of a data set into a .csv:

.csv opened in Excel:

	A	B	C	D	E	F	G	H	I
1	Datum	Zeit	Barcode	Gewicht	Volumengev	Breite	Länge	Höhe	Volumen
2	14.08.2015	09:43:14	123456	6,3	7,751	265	750	195	38756
3	14.08.2015	09:44:43	223456	20,5	28,262	890	435	365	141310
4	14.08.2015	09:45:14	323456	17,9	55,493	465	765	780	277466

.csv opened in Notepad:

```
1 sep=;  
2 Datum;Zeit;Barcode;Gewicht;Volumengewicht;Breite;Länge;Höhe;Volumen;  
3 14.08.2015;09:43:14;123456;6,300;7,751;265;750;195;38756;  
4 14.08.2015;09:44:43;223456;20,500;28,262;890;435;365;141310;  
5 14.08.2015;09:45:14;323456;17,900;55,493;465;765;780;277466;
```