

Volume measurement 3030

TECHNICAL DESCRIPTION

Volume measurement via barcode rule

<u>Product</u>	<u>Versions</u>	<u>Features</u>
Evaluation unit	3030	

Volume measurement 3030

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0.1 Version

Date:	Status	Version Software	Originator	Released by
16.05.06	Based on basic version 1.02	3.05	Frohn	Hauke
13.02.08	New software version for foreign languages and fonts (Basis 1.10)	3.41	Frohn	Hauke

0.2 Change compared with previous version

Date:	Change	Page	Version	Originator	Released by
13.02.08	Other setting parameters added	5	1.1	Hauke	

0.3 Cross-references

Title _____ Soehnle Parts No. _____

0.4 Word processing system used

Microsoft Office Word 2000

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1. Description

1.1 General

Length parameters and axis data on a barcode rule are scanned by a barcode reader and transmitted via the serial interface to the Digital Indicator 3030. The length parameters can be entered or overwritten by keypad input.

The program comprises 4 new print codes: X dimension, Y dimension, Z dimension (each 3-digit) and volume (10-digit). The first 3 parameters are the length, width and height of a packet in cm. The volume is the value calculated from the 3 length parameters and expressed in cdm (cubic decimetres).

The volume function is contained in the following 8 application programs:

- Weighing and taring
- Totalising and batching
- Counting
- Checking
- Classifying
- Recipes
- Weight conversion
- Percentage weighing

1.2 Barcode input

The barcode input requires the following format:

">X999CRLF" for X dimension

">Z999CRLF" for Y dimension

">Z999CRLF" for Z dimension

The volume is calculated and cannot be entered.

1.3 Keypad input

The keypad input is started by pressing the function key "Volume input". This function key is located at various positions in each of the different 8 application programs, but mainly at the 2nd or 3rd function key level.

Enter the X, Y, and Z dimensions (3-digit) in cm consecutively. The calculated volume is then displayed in cdm (8-digit).

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1.4 Print output

The dimensions and the volume can be entered as print template inputs in any print template and printed out with any print-command conditions depending on requirements. The print condition "Print key" was included in the list of barcode commands for barcode operation (see document "Technical Description of Data Interface 3030" 470.508.056 V1.3).

1.5 Print codes

The following new print codes can be used:

- 760=X-Abmessung;3
- 761=Y-Abmessung;3
- 762=Z-Abmessung;3
- 763=Volumen X*Y*Z;10

The print codes must be added to the configuration setting file "druckb_D", "druckb_E" or "druckb_F" (ini file) using the Service Program 3030. After restarting the service program, the print codes appear as selection options and can be used to create the print template.

1.6 Setting parameters

Select barcode

In Setting mode under "IT / Barcode / Barcode Selection", set the free barcode to "Free Code".

Interface settings for barcode scanner

- Application → Barcode
- Baudrate → 9600
- Databits → 8
- Parity → none
- Xon/Xoff → off

Delete volume data after printout

In Setting mode under "IT" → "Print template", the parameter "Delete volume after print?" has been added. When this parameter is switched on, the dimensions X, Y and Z are set to the value 0 after the volume printed out.

Barcode value display

The barcode length measurement value and the axis designation indicated in the display of the Digital Indicator can be activated in Setting mode under "Show Terminal / Organisation Data / Barcode" by selecting "on".