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## 1 Introduction and assembly

### 1.1 Introduction

ID7-Sum is an application software for the METTLER TOLEDO ID7-... weighing terminal. The functions of the ID7-Sum can be used after replacing the memory module.

## Documentation

The ID7-... weighing terminal is provided with operating instructions and installation information for the original configuration of the weighing terminal. Please see these operating instructions and installation information for basic information on working with the ID7-... weighing terminal.
These operating instructions and installation information contain additional information on installing and using the ID7-Sum application software.

### 1.2 Safety precautions

### 1.2.1 Installation in explosion protected ID7xx-... weighing terminal

## EXPLOSION HAZARD

The ID7xx-... weighing terminal may only be opened by METTLER TOLEDO service technicians.
$\rightarrow$ To install the ID7-Sum application software, please contact METTLER TOLEDO Service.

### 1.2.2 Installing in ID7-... weighing terminal

A Only authorized personnel may open the weighing terminal and install the ID7-Sum application software.

- Before opening the terminal, pull the power plug or switch off the power supply for terminals with a fixed connection.


### 1.3 Installing ID7-Sum

### 1.3.1 Opening ID7-... weighing terminal

## Desk unit

1. Unscrew the screws on the underside of the cover.
2. Lay down the cover toward the front. In doing so, make sure that the cables are not damaged.

## Wall unit

1. Unscrew the screws on the underside of the cover and fold the cover toward the front. When doing so, make sure that the cables are not damaged.
2. Fold open the mounting plate.

## Panel unit

1. Unscrew the 10 hex bolts on cut-out on the inside of the switch cabinet.
2. Remove the cover from the switch cabinet and fold toward the front. When doing so, make sure that the cables are not damaged.
3. Fold open the mounting plate.

### 1.3.2 Mounting ID7-Sum



1. Bend the bracket of the memory module outward on both sides, tilt the memory module forward and remove.
2. Insert the ID7-Sum memory module tilted slightly toward the front and move it into the vertical position until it engages. The empty space of the module must be on the bottom right.

### 1.3.3 Closing ID7-... weighing terminal

## Closing desk unit

1. Lay device on cover and fix slightly in place with 3 screws.
2. Press unit into cover so that 3 engaging springs engage.
3. Tighten screws.

## CAUTION

The IP68 protection type can only be guaranteed when the weighing terminal is closed again properly.
$\rightarrow$ The 3 engaging springs must be completely engaged.
$\rightarrow$ Make sure that the keypad cable is not pinched.

## Closing wall unit

1. Fold in the mounting plate.
2. Position the cover and screw on again. When doing so, make sure that no cables are pinched.

## Closing panel unit

1. Fold in the mounting plate and position the cover on the cut-out again.
2. Secure the cover on the switch cabinet from the inside with 10 screws. When doing so, make sure that no cables are pinched.

## 2 Totalizing functions

With the ID7-Sum you can form 3 different sums:

- Article total, marked with \#
- Customer sum, marked with *
- Total sum, per article marked with @, for all articles marked with §

The article total combines all items with the same article number.
Each article total can be added to a customer sum.
The total sum is formed independently of the article total and customer sum. It stores all items that have been totalized with the ID7-Sum in a database. Both the sums in the database fields of each individual article (@) and the individual sums for all identical database fields ( $\S$ ) are stored. Similar to application blocks, these database fields can be added to the printout configuration, see operating instructions and installation information for the ID7... weighing terminal.
A pre-configured total record of the total sum lists all items by article numbers.
Function keys The function keys of the ID7-Sum are assigned as follows:

| PLUS | A TOT | C SUM | TOTAL | MAN | CANC |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Start automatic <br> totalizing or <br> totalize items <br> manually | Print article total, set <br> article total buffer to <br> zero, transmit article <br> total to customer <br> sum buffer | Print customer sum, <br> set customer sum <br> buffer to zero | Print sum report of <br> total sum, <br> save or delete list <br> entries | Enter weight values <br> or quantities <br> manually | Cancel items and <br> print cancelled <br> values |

$\rightarrow$ Select the function by pressing the function key.

## Example

$\rightarrow$ Press the MAN key.
Then you can enter a weight value manually with the keypad.

## When the function keys are otherwise allocated

$\rightarrow$ Press the FUNCTION CHANGE key until the function keys allocation displayed above appears.

### 2.1 Enter identifications

To mark the items identifications must be entered prior to totalizing, e. g. the article number, see "Additional functions" chapter in the operating instructions and installation information for the ID7... weighing terminal.
Depending on the setting of the OPERATOR GUIDE in the master mode the ID7-Sum requests Code $D$ to Code $A$ in sequence.
The identification data buffers have the following standard assignment:

- Code A: ARTICLE NO
- Code B: DESTINATION
- Code C: IDENT C
- Code D: IDENT D

If the name of the identification data buffers is to be changed in the master mode, make sure that the sum memories list all weighings by the article number or by the identification Code A.
When entering the identifications, no fixed text memories can be recalled with the ID7-Sum.

## Input

$\rightarrow$ Enter identifications and confirm each with ENTER. After entering Code B the header is automatically printed. Totalizing is started after entering Code A.

## Notes

- The values marked with * only appear when the master mode block OPERATOR GUIDE is set to TARG. VALUE $\mathrm{A}+\mathrm{B}+\mathrm{C}$ or TARG. VALUE $\mathrm{A}+\mathrm{B}+\mathrm{C}+\mathrm{D}$.
- The first character of the article number (Code A) must be a number, as otherwise the message ENTER NUMBER appears.
All other identifications can be confirmed without entry with ENTER.
- For article numbers already present in the article database, it is sufficient when all characters (numbers and separating characters) are entered up to the first letter. Example: The existing article number "1004 Screw" can be called up with "1004" (with blank space).
To handle article numbers, see DATABASE master mode block on page 15 .


### 2.2 Totalize items with same article number

## Totalize manually

If AUTO TOTALIZING OFF is set in the master mode, the weight values of the items must be copied with the PLUS key.

1. Press PLUS key and enter identifications, see section 2.1.
2. Lay item on weighing plafform.
3. Press PLUS key.

The display shows the article number, the serial number and the net value \# NET of the article total. The current article total is automatically printed out.
4. Relieve weighing platform.
5. To totalize additional items, repeat steps 2 to 4 .

## Totalize automatically

If AUTO TOTALIZING ON is set in the master mode, the weight values of the items are automatically totalized.
If the items are in tare containers of an equal weight, the weighing platform can be tared with one of these containers prior to totalizing. The stored tare weight is then taken into account for all subsequent weighings.

1. Press PLUS key and enter identifications, see section 2.1.
2. Lay item on weighing plafform.

The display shows the article number, the serial number and the net value \# NET of the article total. The current article total is automatically printed out.
3. Relieve weighing plafform.
4. To totalize additional items, repeat steps 2 and 3.

## Note

The PLUS key need only be pressed affer the 1st item to start automatic totalizing.

## Transmit current article total

| Article total |  |
| :--- | ---: |
| Article no. | 12345678 |
| \# Gross | 12.495 kg |
| \# Net | 11.000 kg |
| \# Tare | 1.495 kg |
| \# Items | 6 |

$\rightarrow$ Press A TOT key.
The current article total is transmitted to the customer sum buffer and printed out. Then the article total buffer is set to zero.
The display shows the last article number.

## Continue totalizing

$\rightarrow$ Copy displayed article number with ENTER.

- or -

Enter new article number and confirm with ENTER.

## Cancel totalizing

$\rightarrow$ Cancel entry of article number with the FUNCTION CHANGE key.

## Notes

- The weighing plafform must be relieved by at least 30 digit between laying the items on the scale.
- If the article total or the customer sum memory overflows, the sum saved last is automatically printed and then deleted before copying the current item to the memory. The display shows *SUM OVERFLOW or \# SUM OVERFLOW.
- The printout can be formatted as desired, see operating instructions and installation information for ID7... weighing terminal.


### 2.3 Enter known weight values manually

Known net weight values can be copied without weighing or quantities entered.
Manual entries in a running weighing series are stored under the current article number. However, the manual entries can also be stored under a separate article number.

1. With separate article number: Press A TOT key and enter article number for manual entry.
2. Press MAN key.
3. Weight value: Enter known net weight value and confirm with ENTER.
-or-
Quantities: Press FUNCTION CHANGE key and enter the number of quantities in the unit PCS.

The display shows the net value of the current article total.
The manual entry is automatically printed and the display shows the net weight value of the article total.

## Notes

- With the FUNCTION CHANGE key you can select the weight unit for entering known weight values.
- Weight values can only be entered in the displayed unit.
- The printout can be formatted as desired, see operating instructions and installation information for ID7... weighing terminal.


### 2.4 Cancel item

An item of the current article total can be cancelled by weighing back. Manually entered weight values cannot be cancelled.
$\rightarrow$ Leave the item to be cancelled on the weighing platform or place it on the plafform again and press the CANC key.
Net, gross and tare weight values of the current item are negatively booked in the article total and customer sum memory.
The cancelled values are automatically printed.

## Notes

- If a negative weight value is formed in the article total or customer sum memory during cancelling, the item is not cancelled and the display shows NEGATIVE SUM.
- The serial number of the item is increased by 1 during cancelling, and the item counter in the article total or customer sum memory is decreased by 1.
- The printout can be formatted as desired, see operating instructions and installation information for printer GA46.


### 2.5 End totalizing and clear customer sum

| Article no. | 6985 |
| :---: | :---: |
| Gross | 39.540 kg |
| Net | 32.070 kg |
| Tare | 5.470 kg |
| Hand | 2.000 kg |
| Hand | 0 pcs |
| Items | 3 |
| Article no. | 7412 |
| Gross | 65.905 kg |
| Net | 53.455 kg |
| Tare | 12.450 kg |
| Hand | 0.000 kg |
| Hand | 0 pcs |
| Items | 5 |
| Customer sum |  |
| * Gross | 107.445 kg |
| * Net | 85.525 kg |
| * Tare | 21.920 kg |
| * Hand | 2.000 kg |
| * Hand | 0 pcs |
| * Items | 8 |

After completing a shipment or an order the customer sum can be printed. If new identifications are then entered, a new totalizing process is started automatically.

1. Press C SUM key.

The customer sum is printed and the customer sum buffer set to zero.
2. Enter identifications, see section 2.1.

Notes

- Article data are only listed individually when ENLARGED *SUM ON is set in the master mode.
- The printout can be formatted as desired, see operating instructions and installation information for printer GA46.
- The entries of the customer sum are available in the application blocks $323 \ldots 328$, see section 4.1 .


### 2.6 Manage inventory

The default setting for the ID7-Sum is the PLUS MODE, in which it adds together all items with the same article number and the item counter increases.
If inventory control is to be carried out with the ID7-Sum, it is possible to switch back and forth between the PLUS MODE and the MINUS MODE to detect inventory receipts and removals.
Weight values adopted in the MINUS MODE are subtracted from the sum and the item counter is reduced.

## Prerequisite

ITEMS ACTIVE is set in the master mode.

## Inventory removals

1. To switch over to the MINUS MODE, press and hold the PLUS key until MINUS MODE appears in the display.
2. Totalize the inventory removals, see section 2.2.

ID7-Sum operates in the MINUS MODE until it is switched over to the PLUS MODE again.

1. To switch over to the PLUS MODE, press and hold the PLUS key until PLUS MODE appears in the display.
2. Totalize the inventory receipts, see section 2.2.

ID7-Sum operates in the PLUS MODE until it is switched over to the MINUS MODE again.

## Note

If the inventory level is dropped below, the display shows INVENTORY 0 and the weight value of the current item is not subtracted.

### 2.7 Work with several weighing platforms

When working with several weighing plafforms, the weighing plafform on which the individual items are weighed can be selected as desired.
Prior to taring the weighing platform or placing the item on the scale, select the number of the weighing plafform, see "Basic functions" chapter in the operating instructions and installation information for the ID7... weighing terminal. The number of the weighing plafform is indicated on the printouts of the article total and the customer sum.

## Note

The weighing sums of all weighing plafforms are rounded off with the roughest increments according to the weighing plafform.

### 2.8 Recall application-specific information

Information on totalizing can be recalled with the following key combinations:
INFO, PLUS Display setting of AUTO TOTALIZING master mode block.
INFO, A TOT Display current net value of the article total.
INFO, C SUM Display current net value of the customer sum.
INFO, TOTAL Display current net value of the total sum.
INFO, MAN Display last manually entered weight value.
INFO, CANC Display last cleared weight value.
INFO, CODE A Factory setting: Display last entered article number.
INFO, CODE B Factory setting: Display last entered destination.
INFO, CODE C Factory setting: Display last entered Ident C.
INFO, CODE D Factory setting: Display last entered Ident $D$.

## Note

If several pieces of information are recalled with one key, the display changes automatically after the set DISPLAY DURATION. It is also possible to switch back and forth between these pieces of information with the CLEAR key.

### 2.9 Print total recordm

| Total record |  |
| :---: | :---: |
| Date | 01/12/97 |
| Time | 11-40-56 |
| Last deletion |  |
| Date | 30/11/97 |
| Time | 13-40-35 |
| Article no. | 123 |
| Gross | 62.625 kg |
| Net | 52.600 kg |
| Tare | 10.025 kg |
| Hand Pcs | 0 pcs |
| Items | 5 |
| Article no. | 78788 |
| Gross | 62.625 kg |
| Net | 52.600 kg |
| Tare | 10.025 kg |
| Hand Pcs | 0 pcs |
| Items | 5 |
| $\sim$ | - |
| Article no. | 96587456 |
| Gross | 50.100 kg |
| Net | 42.080 kg |
| Tare | 8.020 kg |
| Hand Pcs | 1000 pcs |
| Items | 4 |
| Total |  |
| § Gross | 288.075 kg |
| § Net | 241.960 kg |
| § Tare | 46.115 kg |
| § Hand | 5.000 kg |
| § Items | 23 |

For complete detection of all items, a total record should be printed at regular intervals, e. g. after one day, one week or affer completing an entire shipment.
A database entry is created for each article number in the customer sum memory. A database entry consists of the following values:

- Article number
- Gross weight of all items (Gross)
- Net weight of all items (Net)
- Tare weight of all items (Tare)
- Quantities of the manual entries (Hand)
- Item counter (ltems)

When the total record is printed out you can select whether you print the total record for an individual database entry or for all database entries.
The total record lists the database entries and the corresponding total values in the total sum memory.
The total record can be formatted. The article data can be called up as database fields.
Following printing you can store or clear the database entries. The setting of the DATABASE master mode block determines which data are cleared.

### 2.9.1 Print individual database entry

1. Press the TOTAL, CODE A key sequence.

The display shows the article number last entered.
2. To adopt the article number, press the ENTER key.

- or -

Enter a new article number and confirm with ENTER.
The total record for this database entry is automatically printed and the display shows TOTAL RECORD and then SAVE ?
3. To save the database entry, press the ENTER key.

- or -

To delete the database entry, press the CLEAR key.

## Note

If the entered article number is not present in the total sum memory, the display shows NO. NOT FOUND.

### 2.9.2 Print all database entries

1. Press the TOTAL, ENTER key sequence.

The total record is automatically printed and the display briefly shows TOTAL RECORD and then SAVE?
2. To save all database entries, press the ENTER key.

- or -

To delete all database entries, press the CLEAR key.

### 2.10 Recall total record from computer

If the interface is set to DIALOG MODE in the INTERFACE master mode block, the total record of the total sum can be recalled from the computer.
The following interface commands are available for this purpose:

- Print total record for all list entries and then save:

A, W| $3,0,6$ _ $|\$, \$| 0,5$ (corresponds to the TOTAL, ENTER key sequence)

- Print total record for all list entries and then delete:

A, W| $3,0,6$ _ $\$$, $\$ 1,5$ (corresponds to the TOTAL, CLEAR key sequence)
In accordance with the printout of the total sum, the database entries and the customer sums are listed in the total sum memory in sequence.
In the process, the data are transmitted in their maximum length in accordance with the data formats in the application blocks.
During the data transmission, the keypad of the ID7-Sum is locked and the display shows DAlLY LOG. TO EDP.

## Note

After pressing the CLEAR key or when the total sum memory overflows, the ID7-Sum waits approximately 2 seconds before it deletes the article total memory. During this time the computer can request data transmission via the interface.

### 2.11 Print total record on external printer

If REPORT EXTERNAL is set in the master mode, the total record of the total sum can be printed out on an external form printer.
In the PRINT MODE the printout can be formatted, see INTERFACE master mode block in the operating instructions and installation information for the ID7... weighing terminal.
Here article data can be called up as database fields.

## Example of printout on a certified printer

| Total record |  |  |  |
| :---: | :---: | :---: | :---: |
| Date 01/12/97 Time 10-35-56 |  |  |  |
| Last deletion Date 01/12/97 Time 09-35-47 |  |  |  |
| GROSS | NET | TARE | ITEMS |
| 1000.TSICWM |  |  |  |
| 100 kg | 800 kg | 200 kg | 2 |
| 1100. GOWCE |  |  |  |
| 1500 kg | 1200 kg | 300 kg | 3 |
| 1200. GCMKM |  |  |  |
| 1000 kg | 800 kg | 200 kg | 2 |
| 1300. EKKE |  |  |  |
| 2500 kg | 2200 kg | 300 kg | 3 |
| Total § Gross 6000 kg | § Net 5000 kg | §Tare | §Items 10 |

## 3 Settings in the master mode

### 3.1 PAC master mode block

### 3.1.1 Overview of thePAC master mode block

In this block the following system settings can be carried out:


Legend - Blocks on a grey background are described extensively in the following.

- Factory settings are printed in bold type.


### 3.1. 2 Settings in the master mode block PAC

| AUTO TOTALIZING | Switch automatic totalizing on or off |
| :--- | :--- |
|  | Factory setting: AUTO TOTALIZING OFF |


| ENLARGED *SUM | Also divide up customer sum printout by article numbers |
| :--- | :--- |
|  | Factory setting: ENLARGED *SUM OFF |


| DATABASE | Edit article data |
| :--- | :--- |
| EDIT <br> DATABASE | Edit database entries, see page 16. |
| PRINT DATABASE | Print a list of all database entries. |
| CLEAR DATABASE | Clear only selected data when deleting a database entry in the total sum memory. <br> Clear only weight sums and item counters; the article entry with the article number <br> is retained (factory setting). <br> Clear article number, all other identification data, weight sums and item counters. |


| ITEMS | Switch item counter for inventory control on or off |
| :--- | :--- |
| ITEMS ACTIVE | For inventory receipts the item counter is increased with the PLUS key, for inventory <br> removals it is decreased (factory setting). |
| ITEMS PASSIVE | Switch off item counter; the display shows the article total and a serial number. |
| Comment | The item counter is available in application block 317, see section 4.1. |


| REPORT | Select printer for total record of total sum |
| :--- | :--- |
| REPORT GA46 | Print total record on printer GA46; the printout cannot be formatted (factory setting). |
| REPORT EXTERNAL | Print total record on a form printer; the printout can be formatted as desired. |


| OPERATOR GUIDE | Interrogation of the identification data memory prior to totalizing |
| :--- | :--- |
| TARG. VALUE $A+B$ | Code B and Code A are always requested (factory setting). |
| TARG. VALUE $A+B+C$ | Code C, Code B and Code A are always requested. |
| TARG. VALUE A+B+C+D | Code D, Code C, Code B and Code A are always requested. |


| MIN. CONTROL | Set minimum load control |
| :--- | :--- |
|  | If the current weight value is less than the value of the MIN. CONTROL, the display <br> shows INSUFFICIENT WEIGHT. <br> Possible values: $1 \ldots 99$ digit (factory setting: 10) |


| DISPLAY | Select display presentation |
| :--- | :--- |
| STANDARD | Article number can only be displayed with 14 characters. |
| EXTENDED | If entered, the article number is displayed immediately after entry in a larger font on <br> the middle line. Up to 20 characters can be displayed. |


| RESET PAC | Reset all functions to the factory settings |  |
| :--- | :--- | :--- |
|  | Block | Factory setting |
|  | AUTO TOTALIZING | off |
|  | ENLARGED *SUM | off |
|  | CLEAR DATABASE | clear total |
|  | LIST | clear sums |
|  | ITEMS | active |
|  | REPORT | report GA46 |
|  | OPERATOR GUIDE | enter A+B |
|  | MIN. CONTROL | 10 digit |

## Edit database entries

Function keys The function keys in the block EDIT DATABASE are assigned as follows for editing database entries:

|  | $\langle$ | $\boldsymbol{>}$ | F | NEW | $\uparrow$ |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  | Display <br> previous <br> database <br> entry | Display next <br> database <br> entry | Selectfunction <br> of function key <br> F5: <br> NEW, <br> SEARCH, EDIT | SEARCH <br> EDIT <br> DEL | Accept <br> changes and <br> return to <br> higher level <br> block |

The database entry can be edited with function key F5:

NEW Create new database entry. Here the first character of the article number (Code A) must be a number, as otherwise the message ENTER NUMBER appears.
SEARCH Search for an existing database entry.
EDIT Edit an existing database entry.
CLEAR Clear displayed database entry.

## 4 Application blocks

In the following description, the application blocks are shown in the syntax for the MMR command set. When used with the SICS command set, please observe the SICS conventions, see Operating instructions and installation information for ID7... weighing terminal.

### 4.1 PAC application blocks

| No. | Content | Format |  |
| :---: | :---: | :---: | :---: |
| 301 | Pac version | Response: | \| $\left.\left.A_{1} B\right\|_{-\mid} \mid I_{1} D_{1} 7_{1-1} S_{1} u_{1} m_{1-1} V_{1} x_{1} \cdot 1 x_{1} x\right]$ |
| 302 | Program number | Response: | $\\|\left._{1} B\right\|_{-}\left\|I_{1} P_{1} 7,6_{1}-0_{1}-1,{ }_{1} x_{1} x_{1} x\right\|_{-}$ |
| 305 | Keypad entry or read-in barcode | Response: <br> Write: <br> Comment: | $\begin{aligned} & \|A, B\|-\mid \text { Entry }] \\ & \hline A, W\|3,0,5\|-\|\$\| \$ \mid \text { Entry } \\ & \text { Entry = Text_20, number or weight value } \end{aligned}$ |
| 306 | Total record | Write: | Print and save total record <br> (A, W $\|3,0,6\|$ \| $\$$, $\$ 10,5$ TOTAL, ENTER key sequence <br> Print and delete total record <br> A, W\|3, 0, 6|_|\$ \$|1,5 TOTAL, CLEAR key sequence |
| 310 | Consecutive number | Response: | [ $\mathrm{A}, \mathrm{B} \mid$ _ ${ }^{\text {Number_4] }}$ |
| 311 | Print article total: fixed text article total | Response: | \| $A,\left.B\right\|_{-} ^{\text {Text_2 }}$ - |
| 312 | Article total: gross weight (\#Gross) | Response: | $\|A, B\|$ - Weight value _ \| Unit |
| 313 | Article total: net weight (\#Net) | Response: | $\left\|A_{,} B\right\|_{-}$Weight value $\left.\right\|_{-}$Unit $]$ |
| 314 | Article total: tare weight (\#Tare) | Response: | $\|A, B\|_{-}$Weight value $\left.\right\|_{-}$Unit $]$ |
| 315 | Article total: manual quantity eentries (\#Hand) | Response: |  |
| 316 | Article total: item counter (\#ltems) | Response: | \| $A, B \mid$ - Number_6 |
| 317 | Item counter for inventory control | Response: | [ $\mathrm{A}, \mathrm{B} \mid$ - Number_6 |


| No. | Content | Format |
| :---: | :---: | :---: |
| $318$ $321$ | Identification data Code A ... Code D |  <br> Comment: $\quad x x=18 \ldots 21$; <br> the blocks $318 \ldots 321$ contain the same information as the blocks 94 ... 97 . |
| 322 | Total record: fixed text total record |  |
| 323 | Print customer sum: fixed text customer sum | Response: $\quad A_{1}, \mathrm{~B} \mid$ - Text_20 $^{\text {a }}$ |
| 324 | Customer sum: gross weight (*Gross) | Response: $\quad\left\|\begin{array}{l}\text {, }\end{array}\right\|_{-}$Weight value $]_{-}$Unit $]$ |
| 325 | Customer sum: net weight (*Net) | Response: $\quad\left\|\begin{array}{l}\text {, }\end{array} \mathrm{B}\right\|_{-}$Weight value $]_{-}$Unit $]$ |
| 326 | Customer sum: tare weight ( ${ }^{*}$ Tare) |  |
| 327 | Customer sum: manual quantity entries (*Hand) | Response: $\quad A_{1},\left.B\right\|_{-}$Number_10 __ Unit $]$Unit $=$PCS |
| 328 | Customer sum: item counter (*Items) | Response: $A_{1}, B$ _ Number_4 |
| 329 | Total record: date/time at last deletion |  |
| 330 | Total record: fixed text for cancelled items | Response: $\|A, B\|-\mid$ Text_20 <br> Write: $A, W\|3,1,1\|-\mid$ Text_20 <br> Comment: e. g. cancel |
| 331 | Total sum, cancelled items: <br> gross weight (-Gross) | Response: $\quad \triangle \mathrm{A},\left.\mathrm{B}\right\|_{-}$Weight value $]_{-}$Unit ${ }^{\text {U }}$ |
| 332 | Total sum, cancelled items: net weight (-Net) | Response: $\quad\left\|\begin{array}{l}\text {, }\end{array}\right\|_{\text {_ }}$ Weight value $]_{-}$Unit $]$ |
| 333 | Total sum, cancelled items: <br> tare weight (-Tare) | Response: $\quad \left\lvert\, \begin{aligned} & \left.\text {, } B \mid \text { _ Weight value }]_{-} \text {Unit }\right]\end{aligned}\right.$ |


| No. | Content | Format |  |
| :---: | :---: | :---: | :---: |
| 335 | Total sum, manual entry: fixed text for printing and weight value | Response: <br> Write: | $\begin{aligned} & \hline \mathrm{A}, \mathrm{~B}\left\|\_\right\| \text {Text_20 }\left.\right\|_{-} \text {Weight value } \\|_{\_} \text {Unit } \text { Un } \\ & \hline \mathrm{A}, \mathrm{~W}\|3,3,5\| \_\mid \text {Text_20 } \mid \text { Weight value }\left.\right\|_{-} \text {Unit } \end{aligned}$ |
| 336 | Total record: fixed text total | Response: | $\left.\triangle A_{1} B\right\|_{-}$Text_20] |
| 337 | Total sum: gross weight (§Gross) | Response: | $\|A, B\|_{-}$Weight value _ ${ }_{\text {U }}$ Unit $]$ |
| 338 | Total sum: net weight (\$Net) | Response: | $\|A, B\|$ - Weight value _ U Unit |
| 339 | Total sum: tare weight (§Tare) | Response: | $\left\|A_{1} B\right\|_{-} \mid$Weight value _ ${ }^{\text {U }}$ Unit $]$ |
| 340 | Total sum: manual weight entries (§Hand weight) | Response: | $\|A, B\|$ \| Weight value _ | Unit $]$ |
| 341 | Total sum: manual quantity entries (§Hand pieces) | Response: | $\left\|A_{,} B\right\|_{-} \mid$Number_10 $]_{\text {- }}$ Unit $]$ Unit $=$ PCS |
| 342 | Total sum: item counter (§ltems) | Response: | [ $\mathrm{A}, \mathrm{B} \mid$ - ${ }^{\text {Number_6 }}$ |
| 343 | Last closed article: Date, time, name of destination, identification of destination, name of article, identification of article | Response: | $\|\bar{A}, \mathrm{~B}\| \_\mid$Date $\mid$_ Time $I$ <br> _ _ Name of destination (Text_20) <br> __ \|dentification of destination (Text_20)| <br> _ _ Name of article (Text_20) <br> _ _ Identification of article (Text_20) |
| 344 | Last closed article: Gross weight | Response: | $\|A, B\|_{-}$Weight value _ ${ }_{\text {U }}$ Unit $]$ |
| 345 | Last closed article: Net weight | Response: | $\|A, B\|$ _ Weight value _ \| Unit |
| 346 | Last closed article: Tare weight | Response: | $\|A, B\|_{\text {_ }}$ Weight value _ \| Unit $]$ |
| 347 | Last closed article: <br> Manual entry of pieces | Response: | [ $\left.A_{1} B\right\|_{\text {_ }}$ Number_10 $]_{\text {_ }}$ Unit $]$ |
| 348 | Last closed article: Item counter | Response: | [ $\mathrm{A},\left.\mathrm{B}\right\|_{\text {_ }}$ \| Number_6 6 |

## 5 What to do if ...?

| Error / Display | Possible causes | Remedy |
| :--- | :--- | :--- |
| ENTER NUMBER | - No numerical entry for Code A | $\rightarrow$ Enter article number |
| NOT USED | - Buffer contains no data | $\rightarrow$ Totalize items with + key |
| NO. NOT FOUND | - No database entry exists for entered <br> article number | $\rightarrow$ Enter existent article number |
| VALUE TOO HIGH | - Place number for manual entry of <br> pieces exceeded | $\rightarrow$ Enter maximum of 999 999 PCS |
| WRONG INPUT | - Manual entry of pieces contains <br> decimal places | $\rightarrow$ Enter quantity without decimal places |
| WEIGHT TOO LOW | - Minimum weight dropped below when <br> totalizing or clearing | $\rightarrow$ Place weight > minimum weight on |
| scale |  |  |


| Error / Display | Possible causes | Remedy |
| :--- | :--- | :--- |
| OFF LIMIT | - When DeltaTrac is activated, net value <br> is not within set tolerances, therefore <br> cannot be totalized and cleared | $\rightarrow$ Conclude weigh-in properly |
| STOCK 0 | - Current item cannot be subtracted, as <br> the stock will be dropped below | $\rightarrow$ Restock |

## 6 Technical data

| Totalizing functions |  |
| :--- | :--- |
| Subtotal memory | - For gross, net and tare <br> - Capacity up to 999999999 kg or a maximum of 9 places including decimal <br> point |
| All sum memory | - For totalizing subtotals <br> - Capacity up to 999999999 kg or a maximum of 9 places including decimal <br> point |
| Total sum memory | - For exact article detection of all sub-quantities within certain time period or for <br> completion of a shipment <br> - Capacity up to 999999 <br> point |
| Article manag kg or a maximum of 9 places including decimal |  |
| Serial No. | Maximum of 999 article numbers |
| Item counter | On every sum printout, capacity up to 999999 <br> Input routineAutomatic input request for destination data and article numbers for exact article <br> sum detection |
| Clear function | Reverse entry of incorrectly totalized sub-quantities from sum memories <br> Manual inputManual input of known weight values (net) in sum memories or piece inputs for <br> logging on output |
| Automatic totalizing | Automatic totalizing and printing after placing weighing sample on scale and <br> stabilization of weighing plafform |

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