

Database file creating

Database can be built in Excel datasheet form, where each product (or user) has one row and each column have product (or user) data. This way created database, saved in *.csv extension with semicolons (MS DOS) can be send to scale using Scale Database software and scale's serial interface.

1. Products file

a) Scales PCE-SD and all models equipped with *Prod* function

File should consist a list of maximum 400 products. One row describes one product.

Row specification:

<M(emory nr)>;<Prod(uct) Id>;<Prod(uct) bA(rcode)>;<Prod(uct) nAme>;<APW>;<PtArE>;<thr Lo>; <thr Hi>

where:

- 1)<M(emory nr)> product number in memory (index) (1-300), max 8 ASCII digits,
- 2)<Prod(uct) Id> product id, max 8 ASCII digits,
- 3)<Prod(uct) bA(rcode)> product barcode, max 16 ASCII signs,
- 4)<Prod(uct) nAme> product name, max 20 signs ASCII,
- 5)<APW> single piece weight (unitary weight), max 8 signs, no unit,
- 6)<PtArE> packing weight, max 8 signs, no unit,
- 7)<thr Lo> lower threshold, max 8 signs, no unit,
- 8)<thr Hi> upper threshold, max 8 signs, no unit.

Example product row with index 1:

1;0001;1234567890123;Nut M10;10;0;5;200

Despite that user won't fill in all the data in columns, the created database file must have 8 columns (empty columns also).

b) Scales with ME-03 indicator

File should consist a list of maximum 1000 products (labels). One row describes one product (label). Row specification:

<label no>;<ID prod>;<name>;<user>;<days>;<code 1>;<code 2>;<code 3>;<code 4>;<scanner>;<tare>
<price kg>;<price pcs>;<VAT>;<EAN13 f>;<EAN13 v>;<unitary m>;<Thr min>;<Thr max>

where:

- | | |
|------------|-------------------------------------|
| <label no> | - label number, |
| <ID prod> | - product ID, max 16 ASCII signs, |
| <name> | - product name, max 20 ASCII signs, |
| <user> | - selected user number, |
| <days> | - days quantity to expiration date, |
| <code 1> | - code 1, max 12 digits, |
| <code 2> | - code 2, max 12 digits, |

<code 3>	- code 3, max 12 digits,
<code 4>	- code 4, max 12 digits,
<scanner>	- scanner code, max 32 signs,
<tare>	- tare value,
<price kg>	- price per kg,
<price pcs>	- price per piece,
<VAT>	- VAT,
<EAN13 f>	- EAN13 fixed,
<EAN13 v>	- EAN13 variable,
<unitary m>	- unitary mass,
<Thr min>	- minimal threshold value THR function,
<Thr max>	- maximal threshold value THR function.

Sample line (row) label no 1:

```
1;2234567890123452;Product;2;200;223452;2123452;21123452;21112342;212345678902;2.2;2.12;2.1
3;23;223456789012;2123456;21.2;2.11;2.12
```

Despite that user won't inscribe all data in all columns, the file uploaded to Scale database software should have all 19 columns (empty columns also).

c) Counting scales PCE-TB, PCE-TB...C

File should consist a list of maximum 1000 products. One line (row) describes one product record. Row specification:

```
<m>;<id>;<apw>;<sample>;<ptare>;<thr_min>;<thr_max>;<thr_zer>
```

where:

- 1)<m> product number in memory M (1-1000), max 8 digits ASCII,
- 2)<id> product ID (barcode), max 16 digits ASCII,
- 3)<apw> unitary weight, max 8 signs, no unit,
- 4)<sample> sample quantity, max 8 signs, no unit,
- 5)<ptare> housing weight, max 8 signs, no unit,
- 6)<thr_min> lower threshold, max 8 signs, no unit,
- 7)<thr_max> upper threshold, max 8 signs, no unit.
- 8)<thr_zer> zero threshold, max 8 signs, no unit.

Sample product line M01:

```
1;1234567891002;10.6;10;0;100;200,1
```

Despite that user won't inscribe all data in all columns, the file uploaded to Scale database software should have all 8 columns (empty columns also).

2. User file

The file should consist max 100 users. One line (row) describes one user.

Row specification:

<index>;<id>;<name_u>

where:

- 1)<index> user index (1-10), max 8 digits ASCII ,
- 2)<id> user ID, max 8 digits ASCII,
- 3)<name_u> user name, maximum 20 signs ASCII.

Example line for user with index 1:

1;1;Adam

Attention: *Labelling scales with ME-03 meter require id position when storing users.*

3. Inserting file to *Scale database*

After creating file with database saved in .csv extension with semicolons (MS DOS) connect scale to computer (proper cable) and launch *Scale database* software.

Press *Connection* icon, choose communication type (COM port or Ethernet), subsequently confirm and press *Connect* in order to communicate with scale.

For standard scales (PCE-SD...) and counting scales (PCE-TB/TB...C) user uploads products database by marking *product database* under the *Database kind* sign.

For labelling scales with ME-03 meter select *scale with ME-03* and *label database* or *user database*.

User chooses *File*, then *Open* and finds the database file on computer drive.

After choosing the file and confirmation press *Send database*.

Sending can last few minutes.