

# User Manual

Software: DATABASE EDITOR

User manual no.:  
ITKU-69-01-05-11-EN



## BALANCES AND SCALES

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# 1. GENERAL INFORMATION

## 1.1. Application

**Database Editor** software is designed to double sided synchronization of a selected database with a computer. It enables quick and easy editing of all databases in a computer and sending them to connected weighing instruments. The software also offers the possibility of sending a ready database to multiple weighing instruments (the software enables connecting with a single weighing instrument at a time).

Databases that are covered by dual sided synchronization:

- products,
- operators,
- clients,
- packages,
- warehouses,
- labels,
- universal variables,

Databases that are covered by a single sided synchronization (direction: weighing instrument > computer):

- weighing data,
- CPG

The software cooperates with a weighing instrument connected with a computer through **RS 232** or **Ethernet** interface.

### **Caution:**

1. *The software is compatible with weighing instruments with software version **2.0.1** and version of weighing software **2.2** and higher.*
2. *due to the software updating process, there may occur minor differences between the content of this manual and the actual software form.*
3. **RADWAG** company does take any responsibility for the improper software utilization and results arising from such activities.
4. *The software does not cooperate with E2R SYSTEM in any way, and in a weighing instrument this parameter should be switched off.*

## 1.2. Databases

The computer software stores databases in a form of files saved on computer disc. The Databases are saved as \*.csv files in a local folder. Default file directory is C:\Program Files\RADWAG\DATABASE EDITOR\**PUE7\_SCALES\Scale1\**

Each database is saved to a separate \*.csv file.

### **Software databases:**



Products.csv



Operators.csv



Clients.csv



Packages.csv



Warehouses.csv



Labels.csv



UniversalVariables.csv



Weighings.csv



CPG.csv

### **CAUTION**

It is not recommended to edit \*.csv files in other applications (e.g. Notepad, Excel) and uploading their modified versions to weighing instruments.

## 1.3. Minimal hardware requirements

Correct software operation requires:

- A PC computer with OS Windows 2000/XP/2003/2003 SB/Vista/7
- processor 2 GHz or faster
- RAM 1 GB or more (recommended 2 GB)
- Minimum of 1 GB HDD free space

- Display operating with minimum resolution 1024x768 pixels,
- DVD-ROM,
- Default size of system fonts (**96 dpi**)!

**Caution:**

1. *If the software is installed on a customer's computer, than all issues referring to the hardware and software are on customer's side (the owner of the computer).*
2. *RADWAG company does not take any responsibility for possible influence of DATABASE EDITOR software onto operation of other applications installed on the computer (if they are installed)*

#### **1.4. Weighing instruments for cooperation with the software**

**DATABASE EDITOR**, due to accepted data exchange protocol, enables cooperation only with weighing instruments offered by **RADWAG**. the weighing instruments dedicated to cooperate with DATABASE EDITOR are series **WLY**, **WPY** (indicator PUE7) and **HTY** (indicator HY).



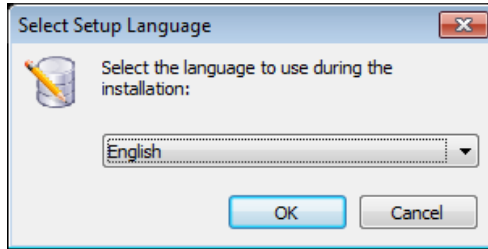
Before initiating cooperation with the software, each of the weighing instruments should have communication parameters set, ensuring proper cooperation with the computer software. Setting weighing instrument's communication parameters is detailed in instrument's user manual.

## 2. INSTALLATION

### 2.1. Database Editor Installation

The user manual specifies installation procedure of software “**DATABASE EDITOR PUE7-HY 11.05.23**”.

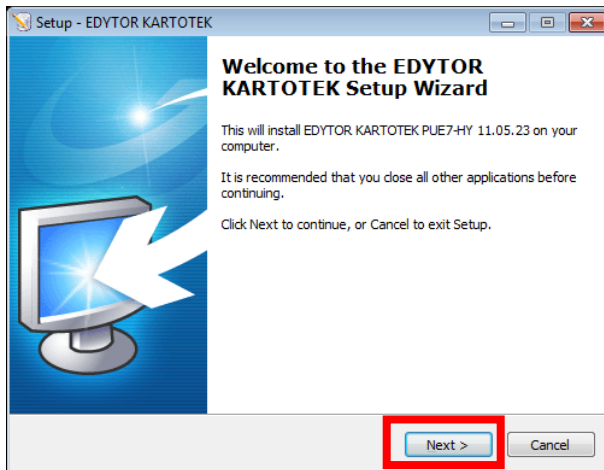
On program run, a dialogue window opens for selecting language version, which is used during software installation:



Press “**OK**” key.

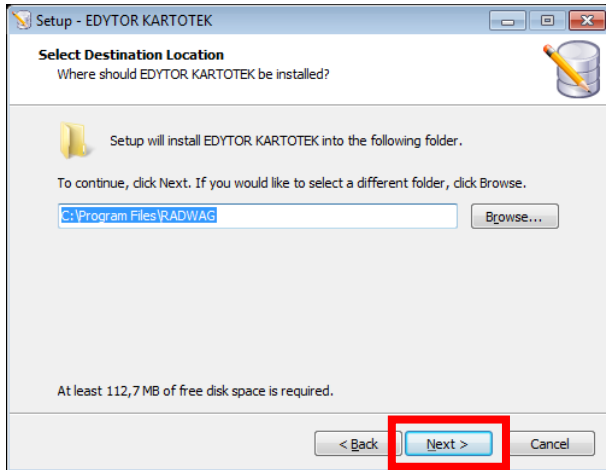
Later in the installation, follow the instructions in subsequent windows.

### Install wizard welcoming window:



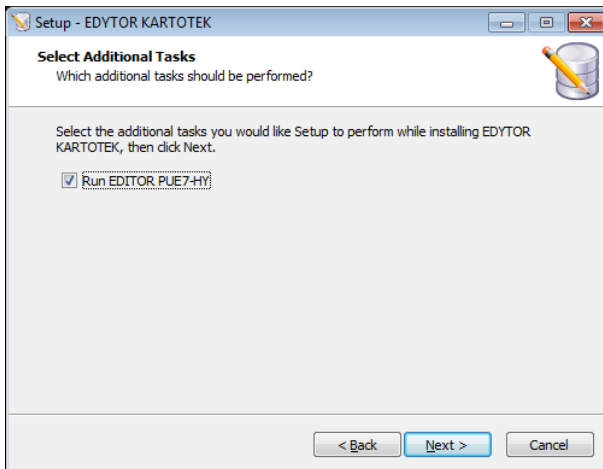
In order to continue, press “**Continue**” key.

## Installation path browsing window:



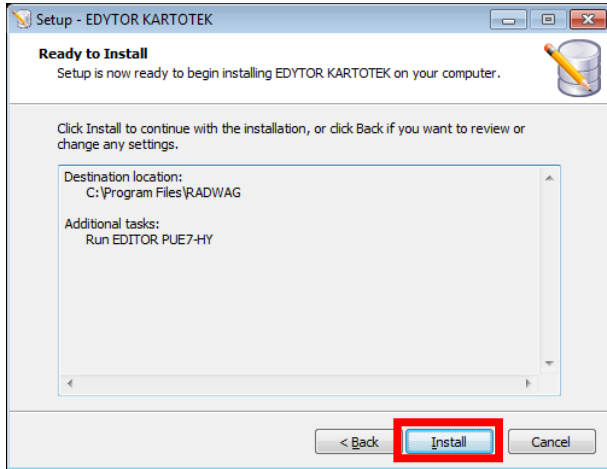
Select installation path for software installation (it is not recommended to modify the default installation path), and press “**Continue**” key.

## Install wizard window with additional tasks:



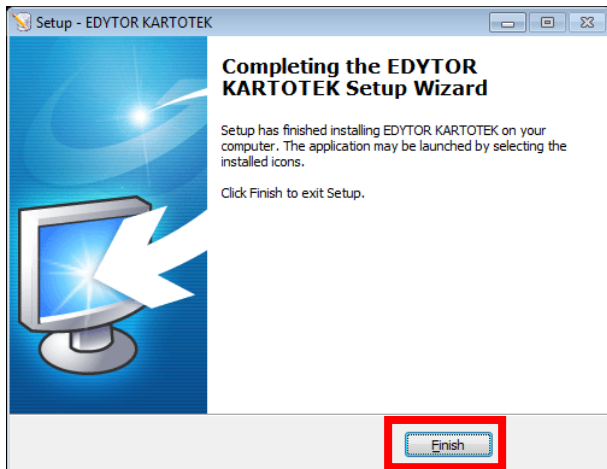
The additional tasks comprise function: “**Start DATABASE EDITOR**” which automatically starts the software on completed installation process, and pressing “**Continue**” key.

## Install wizard is ready to continue software installation:



In order to start installation process, press “**Install**” key.

## Window completing software installation:



In order to end installation, press “**Finish**” key.

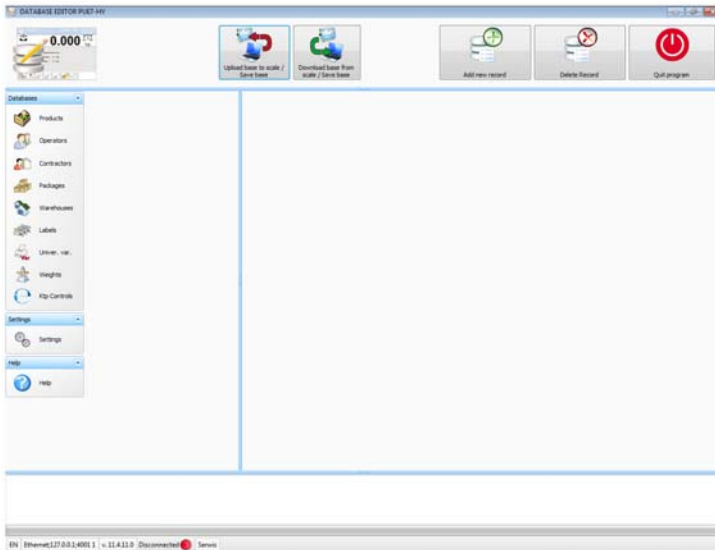


### 3. DATABASE EDITOR

This section of the user manual describes database windows functionality and means of their operation.

The user manual of “**Database Editor**” may slightly differ from the client’s software version.

#### 3.1. Main application window



**The main software window contains 4 sections:**

- Upper Bar – System
- Side Bar – Operating
- Bottom bar – Information
- Workspace

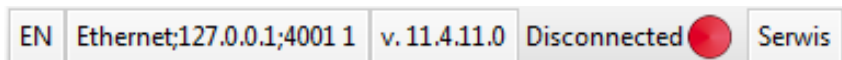
The upper software bar comprises function keys for interacting with database and a weighing instrument, and application shut down key.



The side bar contains keys corresponding to software functions.

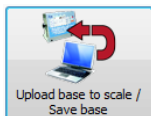


The bottom software bar displays data on language version, connection parameters with a weighing instrument, software version and connection status with a weighing instrument.



The workspace displays all windows relating to databases content.

## Description of upper bar function keys:



Press the function key to send created database to a weighing instrument with simultaneous saving the changes in database stored in \*.csv file.



Press the function key to download a database from a weighing instrument to a database in a computer and save it as \*.csv file.



Adding records to a database in a computer.



Deleting records from a database in a computer.

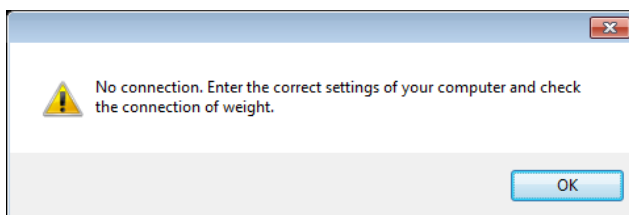


Computer software closing

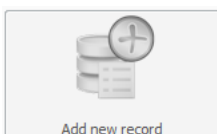
### CAUTION

*If records in a database are edited and no communication with a weighing instrument is established, then all introduced changes are saved in \*.csv files.*




Below message box informs on lack of communication through Ethernet with a weighing instrument.



The software enables adding entries to databases, except for weighing database and CPG database. In this windows the adding function key (see below) is inactive.



### Status in the bottom bar:

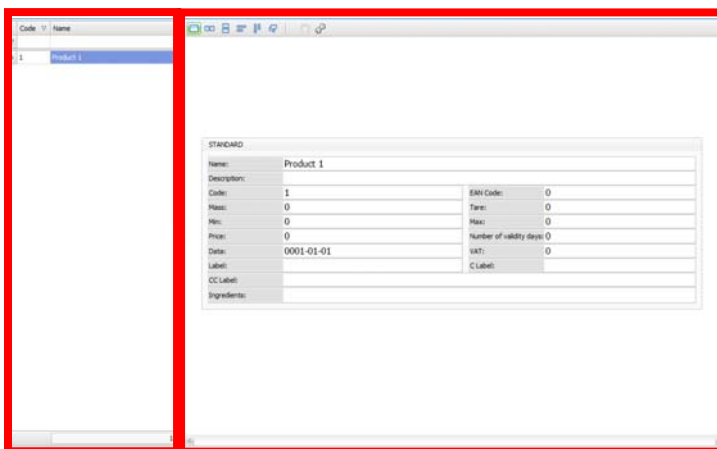
-  No Connection No connection with a weighing instrument, (check settings and cables),
-  Connecting Connecting to a weighing instrument,
-  Connected Connection with a weighing instrument established.

### CAUTION

While connecting with a weighing instrument through RS 232 interface, status **connected** informs on successful connecting with the communication port and not the weighing instrument.

## 3.2. Working window

Below instance of a window with products database represents division of the working window into two sections: navigating and editing.



Navigating window

Editing window

Additionally, the working window (for products, operators, clients, packages and warehouses) provides access to function keys enabling changing display format of records in editing window.



Some of the records lay-out methods offer scrolling function.



### 3.2.1. Searching for an entry in databases

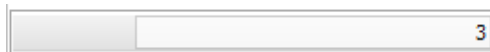
The user can quick search for an entry in databases using filtering filed located in the navigating window. Searching can be carried out by means of two criteria:

- By code.
- By name,

	Code ▾	Name
▾		

Quick search by above listed criteria is applicable in case of databases: operators, products, clients, packages, warehouses and labels. Universal variables database can be searched by code or value, and in case of weighing database and controls database, the entries are searched by each accessible field.

The bottom section of navigating window comprises a default status bar informing on number of entries in a selected database.



### 3.3. Products



Products

Press key to run products database. Adding and deleting records in the database is carried out with function keys located in the upper menu.

















Products are edited in the white fields of the editing window. On selecting a field for editing insert or choose corresponding data from a list.

#### *Products window*

The screenshot shows a software window titled 'Products'. On the left is a list view with columns 'Code' and 'Name'. It contains two entries: '1 Product 1' and '2 Product 2'. The '2 Product 2' entry is selected. On the right is a detailed editing form for 'Product 2'. The form has a title 'STANDARD' and contains the following fields:

Name:	Product 2		
Description:			
Code:	2	EAN Code:	0
Mass:	0	Tare:	0
Min:	0	Max:	0
Price:	0	Number of validity days:	0
Date:	0001-01-01	VAT:	0
Label:		C Label:	
CC Label:			
Ingredients:			

## List of data definable for a product:

	<b>Name</b>	Product name
	<b>Description</b>	Additional description of a product
	<b>Code</b>	Product code
	<b>EAN code</b>	Product EAN code
	<b>Mass</b>	Product unit mass
	<b>Min</b>	Minimal product mass for weighing with limits (weighing result control)
	<b>Max</b>	Maximal product mass for weighing with limits (weighing result control)
	<b>Tare</b>	Product tare value (set automatically on selecting a product from database)
	<b>Price</b>	Product unit price
	<b>Use by</b>	Product shelf-life time
	<b>Date</b>	Product constant date
	<b>VAT</b>	Product VAT value in [%]
	<b>Ingredients</b>	Editing window for inserting ingredients, inserted in subsequent lines.
	<b>Single label</b>	Design of a single label assigned to a product, searched by name, and accessible in the software.
	<b>C label</b>	Design of a cumulative label assigned to a product, searched by name, and accessible in the software.
	<b>CC label</b>	Design of a cumulative of cumulative label assigned to a product, searched by name, and accessible in the software.

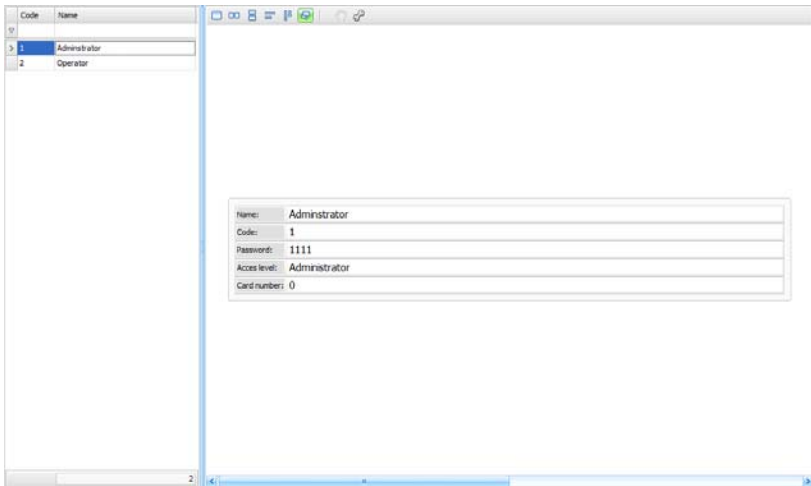
### 3.4. Operators



Press key to run operators database. Adding and deleting records in the database is carried out with function keys located in the upper menu.

Operators are edited in the white fields of the editing window. On selecting a field for editing insert or choose corresponding data from a list.

#### Operators window




#### List of data definable for an operator:

	<b>Name</b>	Operator name
	<b>Code</b>	Operator code
	<b>Password</b>	Log-in password (maximally 16 characters)
	<b>Access</b>	Operator's authorization level: Administrator, advanced operator, operator, no.
	<b>Card no.</b>	Number of a transponder card used for logging

Detailed description of authorization levels is specified in a user manual of a weighing instrument.

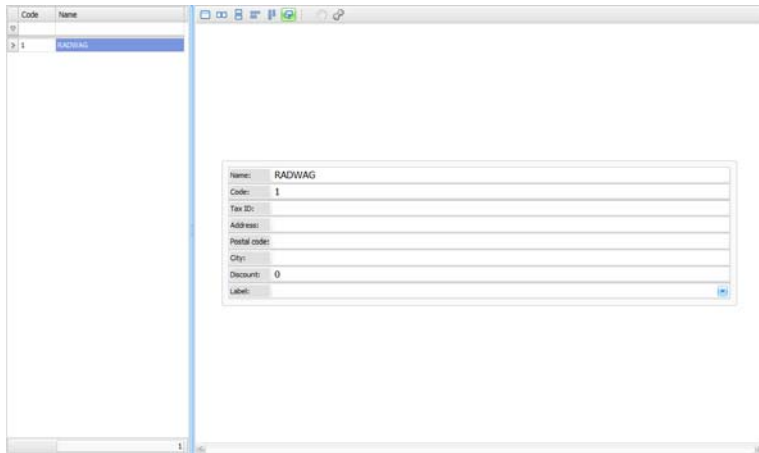


### 3.5. Clients







Press  **Contractors** key to run clients database. Adding and deleting records in the database is carried out with function keys located in the upper menu.



Clients are edited in the white fields of the editing window. On selecting a field for editing insert or choose corresponding data from a list.

#### *Clients window*




#### **List of data definable for a client:**

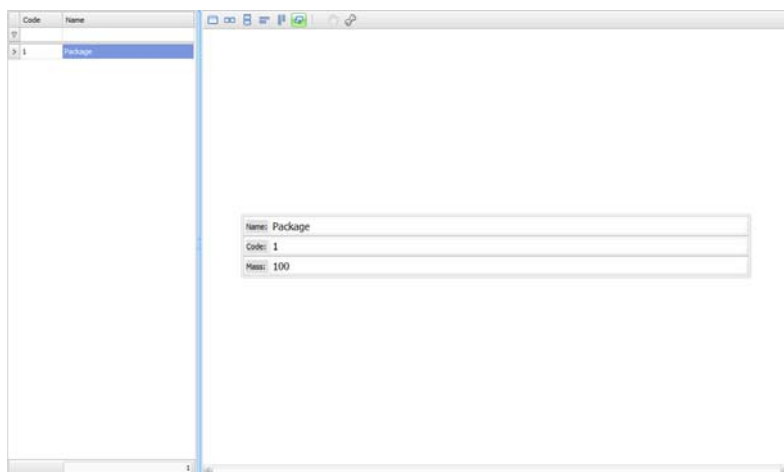
	<b>Name</b>	Client name
	<b>Code</b>	Client code
	<b>TIN</b>	Client's taxpayer identification number
	<b>Address</b>	Client address
	<b>Postal code</b>	Client postal code
	<b>City</b>	Client location

	<b>Discount</b>	Discount granted to a client
	<b>Label</b>	Design of a label assigned to a client




### 3.6. Opakowania

Press  **Packages** key to run packages database. Adding and deleting records in the database is carried out with function keys located in the upper menu. Packages are edited in the white fields of the editing window. On selecting a field for editing insert or choose corresponding data from a list

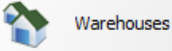
*Packages window*



**List of data definable for a package:**

	<b>Name</b>	Packaging mass
	<b>Code</b>	Packaging code
	<b>Mass</b>	Packaging mass (set automatically on selecting a packaging in a database)

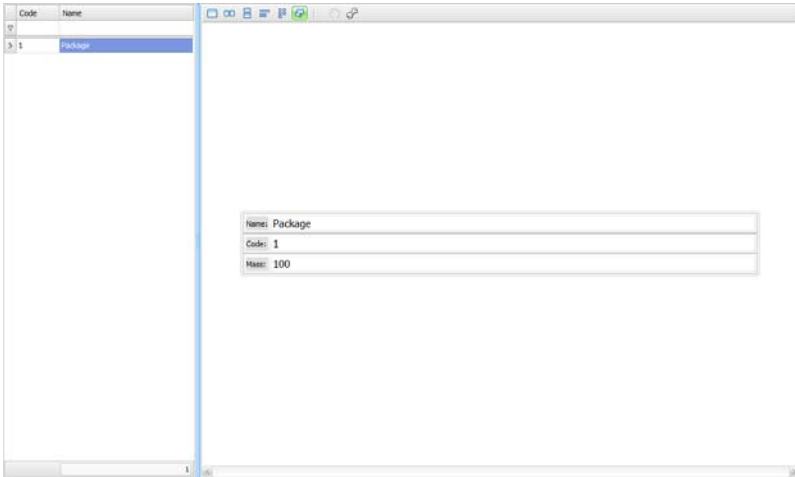
### 3.7. Warehouses






Press **Warehouses** key to run warehouses database. Adding and deleting records in the database is carried out with function keys located in the upper menu.

Warehouses are edited in the white fields of the editing window. On selecting a field for editing insert or choose corresponding data from a list.

#### *Warehouses window*




#### **List of data definable for a warehouse:**

	<b>Name</b>	Warehouse name
	<b>Code</b>	Warehouse code
	<b>Description</b>	Additional description of a warehouse

### 3.8. Labels

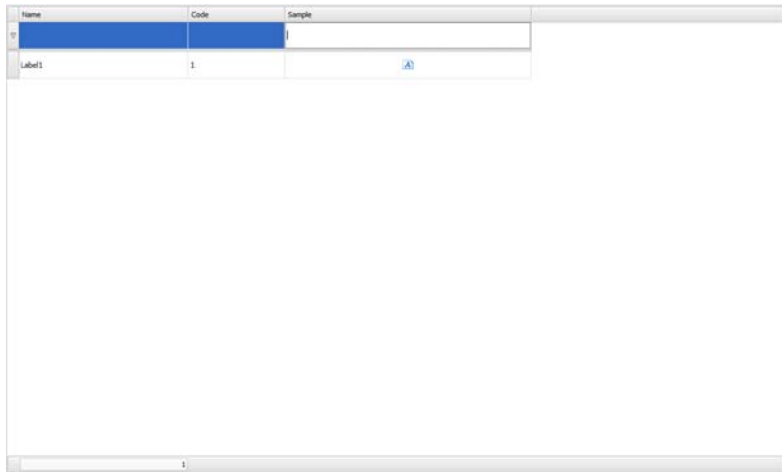


Press  key to run labels database. Adding and deleting records in the database is carried out with function keys located in the upper menu.

Labels are edited in the white fields of the editing window. On selecting a field for editing insert or choose corresponding data or choose label file in \*.lb format.

Labels database contains label designs which a user can assign to specific product or client.

#### *Labels window*




#### **List of data definable for a label:**

	<b>Name</b>	Label name
	<b>Code</b>	Label code
	<b>Elabel ddesignn *</b>	Label design

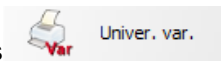
Before adding a new item in a label or editing an existing label, it is necessary to create a label file format \*.lb using **LABEL EDITOR R01**.

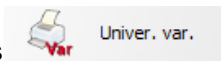


On selecting a specific item and pressing  key, choose a label design format \*.lb from computer disc.

Then, a label with its design should be assigned to a product or client, for operating in labeling scale working mode.

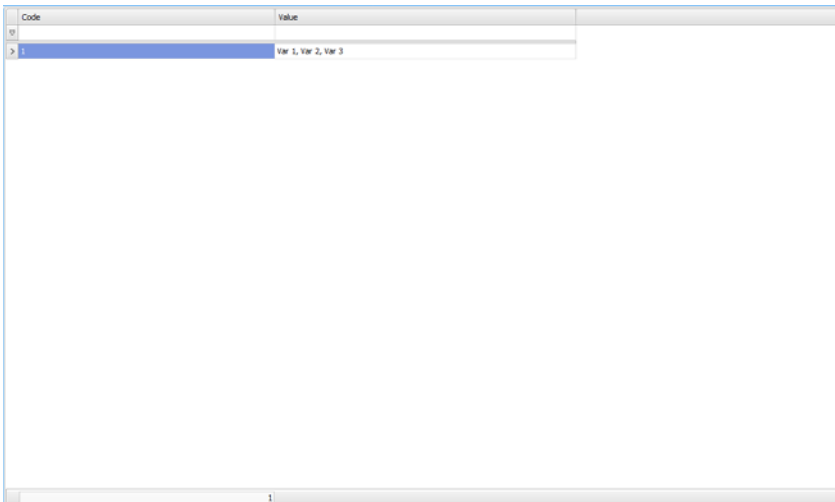
### 3.9. Universal variables





Press  key to run universal variables database. Adding and deleting records in the database is carried out with function keys located in the upper menu.

Universal variables are edited in the white fields of the editing window. On selecting a field for editing insert or choose corresponding data from a list.

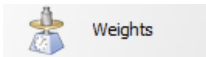
#### *Universal variables window*




## List of data definable for an universal variable:

	<b>Code</b>	Code
	<b>Value</b>	Universal variable value dedicated for printing













### 3.10. Weighing



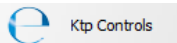
Press  key to run weighing database. Adding and editing records is blocked, and deleting records causes deleting them from computer's memory, but not weighing instrument memory.

Date and Time	Actual mass netto	Actual unit	Calibration...	Calibration unit	Tare	Platform No	Checkweig...	Operator	Product	Contractor	Package	Source Wareh...	Des
2011-06-06 07:54:03	200	g	0,2	kg	0	1		Ok Admin					
2011-06-06 07:54:14	100	g	0,1	kg	0	1		Ok Admin					
2011-06-06 08:26:28	200	g	0,2	kg	0	1		Ok Admin					
2011-06-06 08:26:36	100	g	0,1	kg	0	1		Ok Admin					
2011-06-06 08:52:54	1000	g	1	kg	0	1		Ok Admin					
2011-06-06 08:53:17	300	g	0,3	kg	0	1		Ok Admin					
2011-06-06 09:01:34	200	g	0,2	kg	0	1		Ok Admin					
2011-06-06 09:01:44	150	g	0,15	kg	0	1		Ok Admin					
2011-06-06 09:02:02	200	g	0,2	kg	0	1		Ok Admin					
2011-06-06 09:02:08	150	g	0,15	kg	0	1		Ok Admin					

## List of data for carried out weighing:












	<b>Date</b>	Date of weighing
	<b>Mass</b>	Measured mass
	<b>Tare</b>	Tare value
	<b>Product</b>	Product name
	<b>Operator</b>	Operator name
	<b>Client</b>	Client name
	<b>Lot number</b>	Lot number
	<b>Source warehouse</b>	Name of source warehouse
	<b>Target warehouse</b>	Name of target warehouse
	<b>Packaging</b>	Packaging name
	<b>Result control</b>	Checkweighing threshold in which the measurement was carried out (MIN, OK or MAX)
	<b>Platform number</b>	Number of weighing platform on which weighing was carried out
	<b>Unit</b>	Current measuring unit active during weighing
	<b>Adjustment unit</b>	Adjustment measuring unit of a weighing instrument

### 3.11. CPG

Press  key to run CPG database. Adding and editing records is blocked, and deleting records causes deleting them from computer's memory, but not weighing instrument memory.

Time Start	Time Stop	Product	Batch qua...	Number of measurements	Summ	X	DX	S	Min	Status	Max	Mass
2011-05-19 14:00:43	2011-05-19 14:01:38	Towar 222		300	30	2,3369859...	0,6116089...	2,3418723...	0	6,3659873...	Positive	0
2011-05-19 14:04:45	2011-05-19 14:05:02	Towar 222		300	30	2,3370741...	1,4495389...	2,3418723...	0	6,3659873...	Positive	0


### List of data definable for a control:

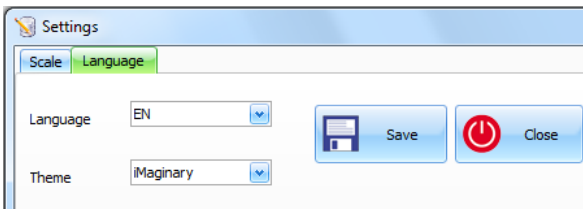
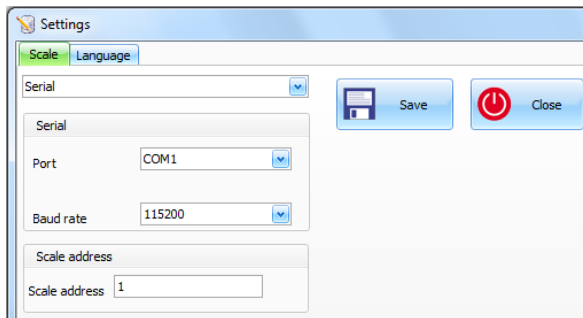
	<b>Lot number</b>	Lot number of controlled product
	<b>Status</b>	Control status (result)
	<b>Start date</b>	Control start date
	<b>End date</b>	Control end date
	<b>Product</b>	Name of controlled product
	<b>Operator</b>	Name of operator carrying out the control
	<b>X</b>	Mean value of carried out measurements
	<b>DX</b>	Value of disqualifying mean
	<b>S</b>	Average standard deviation
	<b>Lot quantity</b>	Lot quantity (volume) for which the software assigns sample size complying with valid regulations
	<b>Number of measurements</b>	Number of carried out measurements



<b>Sum</b>	Sum of all CPG measurements
<b>Min</b>	Minimal mass recorded during control
<b>Max</b>	Maximal mass recorded during control
<b>Error T1</b>	Error value resulting from nominal
<b>Number T1</b>	Number of T1 errors occurring during control
<b>Number 2T1</b>	Number of 2T1 errors occurring during control
<b>Disqualifying number</b>	Determined number of errors disqualifying CPG process
<b>Nominal</b>	Value of nominal nett mass
<b>Unit</b>	Product unit in CPG, g or ml.
<b>Tare</b>	Packaging mass – tare value
<b>Control type</b>	Kind of control: Non-Destructive Average Tare, Non-Destructive Empty-Full, Destructive Full-Empty, Destructive Empty-Full

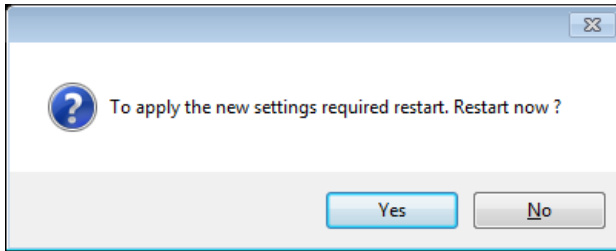
### 3.12. Software settings

The settings are activated by pressing  Settings key on the side bar.



In order to save new settings press  key.

On saving, below message box is displayed.

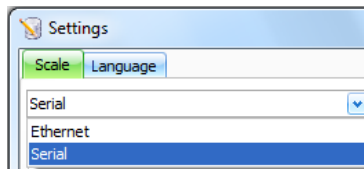


Select Yes option, the software restarts automatically.

### 3.12.1. Connection parameters with a weighing instrument

In order to change connection parameters with a weighing instrument, select menu **Settings** and tab **Scale**. In **Scale** tab select interface type to connect with a weighing instrument.

Accessible interfaces are Ethernet and Serial.

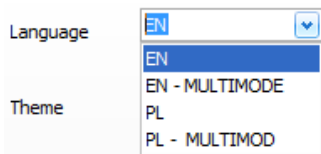


Set correct connection parameters: for Ethernet connection – IP address and connection port for a weighing instrument, and for Serial connection – RS 232 port of a computer and its baud rate. Parameter scale address should be set equally to the one set in a weighing instrument in parameters for connecting with a computer.

<b>Ethernet</b> IP Scale <input type="text" value="127.0.0.1"/> Port <input type="text" value="4001"/>	<b>Serial</b> Port <input type="text" value="COM1"/> Baud rate <input type="text" value="115200"/>
<b>Scale address</b> Scale address <input type="text" value="1"/>	<b>Scale address</b> Scale address <input type="text" value="1"/>

### 3.12.2. Language change

Language change is accessible on selecting one of options available in a list.



#### Where fields:

<b>PL</b>	Polish language specific for standard software of a weighing instrument,
<b>PL - MULTIMOD</b>	Polish language extended by all working modes, (ref. products card)
<b>EN</b>	English language specific for standard software of a weighing instrument,
<b>EN - MULTIMODE</b>	English language extended by all working modes, (ref. products card)

### 3.12.3. Modification of software look

Change of software look takes place by selecting an option from available list.

#### Looks description:

<b>DevExpress Style</b>	Light-grey
<b>Carmel</b>	Light-brown
<b>Money Twins</b>	Light-blue
<b>Lilian</b>	Silver-blue
<b>DevExpress Dark Style</b>	Dark-grey
<b>iMaginary</b>	Light-grey
<b>Black</b>	Dark
<b>Blue</b>	Dark-blue

### 3.13. Help

Help manual is accessible in a form of PDF file in help menu.

**MANUFACTURER  
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DIN EN ISO 9001:2000  
CERTIFICATE NO 71 100 C206