

# User manual

## Label Editor R02

Manual number:  
ITKU-73-05-01-15-A



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## 1. INTENDED USE

Software “Label Editor R02” is dedicated for designing labels.

Main software functions:

- Creating label templates for labeling printers: CITIZEN, ZEBRA EPL-II, ZEBRA ZPL-II,
- Creating label templates recognized by indicators and terminals series: PUE C/41H, PUE 5, PUE 7, PUE HY,
- Sending graphic images to labeling printers,
- Sending fonts to labeling printers,
- Printing label templates on plugged printers.

## 2. SOFTWARE INSTALLATION

### **Notice:**

- *Before the installation procedure you must close all open applications on your PC*
- *Should the software be installed on a computer, the older versions of the “**Label Editor R02**” installed on the computer need to be uninstalled,*
- *The install wizard manual is dedicated for OS Windows 7 and it is complying to all previous version of MS Windows.*
- *Correct operation of the software requires installing an applet Microsoft .NET Framework version 2.0 or higher.  
The applet is ready to download from Microsoft website:  
<http://www.microsoft.com/downloads/details.aspx?displaylang=pl&FamilyID=0856eacb-4362-4b0d-8edd-aab15c5e04f5>*
- *Correct operation of the software requires the OS with installed latest version of ServicePack provided by Microsoft.*
- *Due to the updating of the software, there is a slight possibility of discrepancy between the contents of this user manual, and its actual form,*
- *RADWAG company is not responsible for the effects of program, and for errors resulting from improper use of the program,*

- *RADWAG company is not responsible for the loss and data security resulting from improper use of the program or the computer.*

## **2.1. Minimal hardware requirements**

Required computer parameters for correct operation of the software:

- A PC computer with OS Windows 2000/XP/ 2003/Vista/Windows7,
- processor 2 GHz or faster,
- min RAM 1 GB (recommended 2 GB),
- minimum of 1 GB HDD free space,
- monitor with a resolution of at least 1024x768 pixels,
- DVD-ROM.

### **Notice:**


1. *If the software is installed on client's computer, any problems resulting from hardware or software are on the user's side (the owner of the computer).*
2. *RADWAG company is not responsible for:*
  - *the potential impact of the "Label Editor R02" on operation of the other programs installed on the computer (if installed),*
  - *irregular operation of the "Label Editor R02" caused by the operation of other programs installed on the computer.*

## **2.2. Installing procedure**


1. On obtaining the installation version of the program run the file "**Labels R02.msi Editor**" as an administrator, according to the below image.

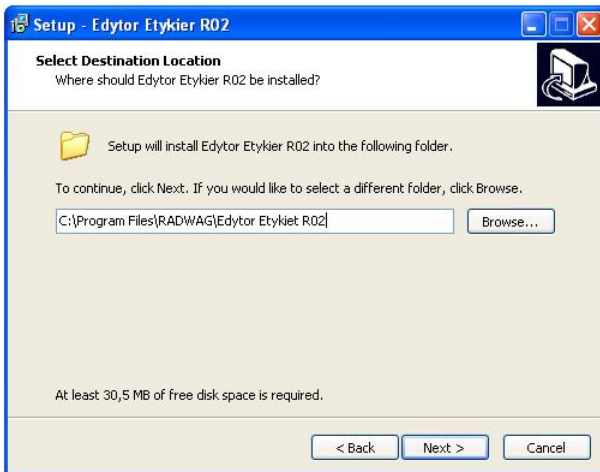
### **Notice:**

*The install version comprises two files, and the needed file is: "**Edytor Etykiet R02.msi**".*


2. In the setup wizard welcoming window, press  key:

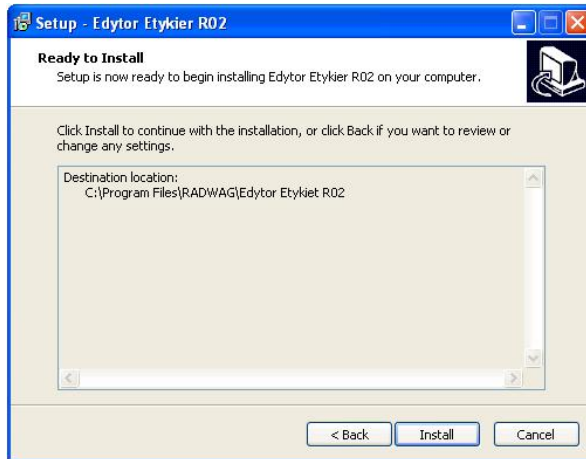


3. In the Select installation folder window press  key:



If necessary , change the installation destination folder.

4. Next, confirm software installation by pressing  key:



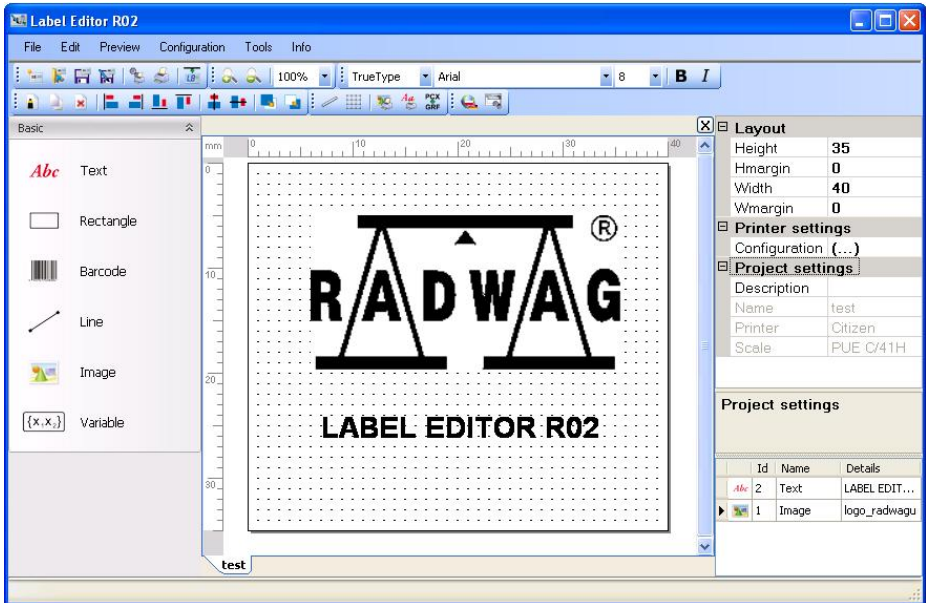
5. Successful installation is confirmed by below window. Close the application by pressing  key:



6. A shortcut to the software is created on the desktop.



### 3. MAIN SOFTWARE WINDOW



### 4. SOFTWARE'S MAIN MENU

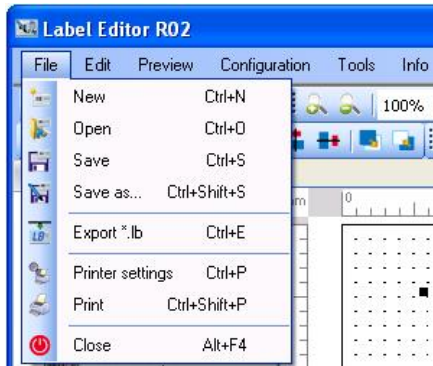
Software's menu enables accessing all software options.



#### 4.1. Menu "File"

Menu <File> enables reading and saving a label on computer disc, changing printer settings and printing label template.





**Where:**

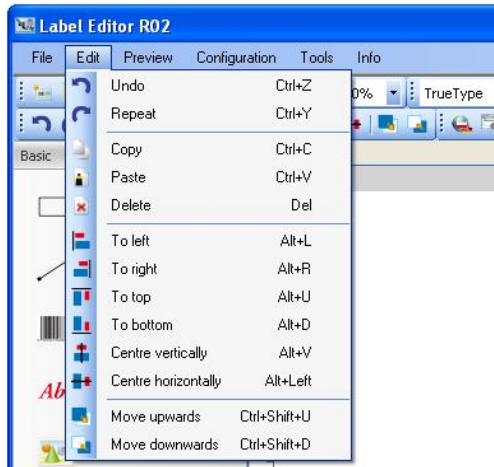
Icon	Name	Description
	New	Creates a new label template
	Open	Opens an existing label template saved in format <b>*.lab</b>
	Save	Saves changes in the created label project
	Save as...	Saves label template in <b>*.lab</b> format on computer disc
	Export *.lb	Exports a label in format <b>*.lb</b> using a language created for the purpose of communicating a plugged printer, and dedicated for scales featuring an indicator or terminal series PUE C41H, PUE 5, PUE 7, PUE HY
	Printer setting	Opens system window for selecting a printer with printing preferences
	Print	Prints a created printout template on a selected printer
	Close	Closes the software

**Notice:**

*An exported label template with extension **\*.lb** is a non-editable file. Therefore, it is recommended to create a backup copy of a label template with extension **\*.lab**, enabling modifying the template in the future.*




## 4.2. Menu “Edit”

Menu <Edit> enables, among others, copying, deleting and positioning of elements placed on a label project.

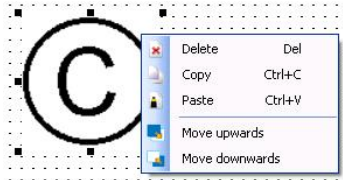


Where:

Icon	Name	Description
	Undo	Undo the last action
	Repeat	Redo undone action
	Copy	Copies components of a label
	Paste	Pastes a copied component into a label
	Delete	Deletes a component of a label
	To left	Aligns selected objects on the label to the left
	To right	Aligns selected objects on the label to the right
	To top	Aligns selected objects on the label to the top
	To bottom	Aligns selected objects on the label to the bottom
	Centre vertically	Centralizes selected objects on the label vertically

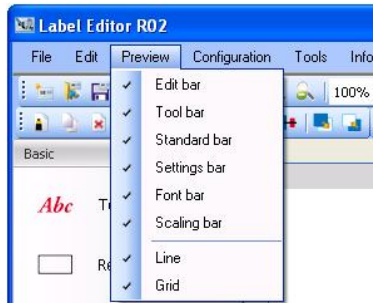
	Centre horizontally	Centralizes selected objects on the label horizontally
	Move upwards	Move selected object one position up the list of objects
	Move downwards	Move selected object one position down the list of objects

The software also enables quick accessing the basic editing functions by pressing the right mouse button on any object located on label's projects:

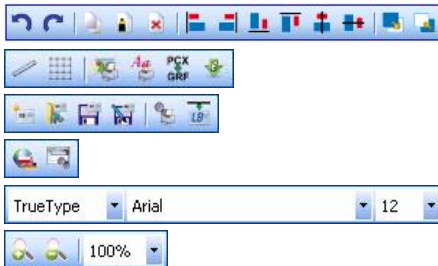


### 4.3. Menu "Preview"



Menu <Preview> enables switching off / on software's task bars.



Where:



- Edit bar
- Tool bar
- Standard bar
- Settings bar
- Font bar
- Scaling bar

Additionally, option  **Grid**> enables switching on / off displaying of a grid on a label's project, and option  **Line**" enables switching on / off displaying lines on label's project.

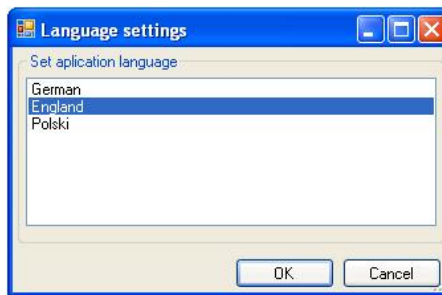
#### 4.4. Menu "Configuration"

Menu **<Configuration>** enables changing software's language and application settings.



##### 4.4.1. Language

When in submenu  **Language**> open a window for changing language version of the software.

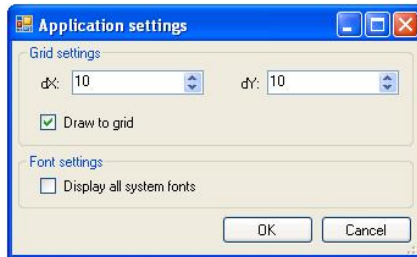


Change of software's language version is confirmed by pressing **OK** key. Changes become effective on software restart. The current version of the software contains three language versions:

- German
- English
- Polish

## 4.4.2. Application

Submenu  **Application settings** enables setting the grid and fonts parameters.



Submenu **<Grid settings>** enables setting the density distribution of the grid (values **Dx**, **dY**) and determine whether the objects should be aligned to the grid, using **”Draw to grid”** option.

Submenu **<Font settings>** enables displaying all system fonts, which are visible while determining a font for a created text or a variable of a label project.


### **Notice:**

*Normally the list of available fonts includes only those fonts, which are located in the local folder of the software. The fonts are automatically installed on the system on installing “Label Editor R02”.*

## 4.5. Menu “Tools”

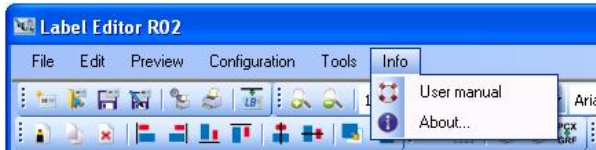
Menu **<Tools>** enables uploading bitmaps and fonts to a declared printer.



An additional option  **<Convert PCX to GRF>** provides converting bitmaps from format **\*.PCX** to format **\*.GRF** which is dedicated for printers type **ZEBRA ZPL-II** (see point 10.2 of this user manual).

## 4.6. Menu “Info”

Menu <Info> enables obtaining data of software revision and running software’s user manual in \*.pdf format.

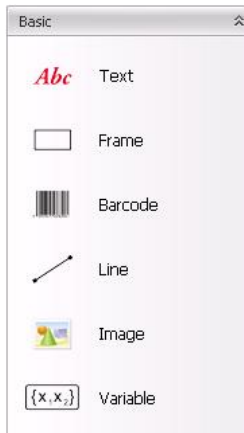


## 5. MENU OBJECTS

### Notice:




Menu objects is disabled until a new project of a label is created, or opening an existing label project.

Menu objects is located on the left side of the main window:



### Where:

Icon	Name	Description
	Text	- adding a text to label project
	Frame	- adding a frame to label project
	Barcode	- adding a barcode to label project

	Image	- adding an image to label project
	Variable	- adding a variable to label project
	Line	- adding a line to label project

The procedures for adding upper mentioned objects to a label project are described in point 9 of this user manual.

## 6. LIST OF SETTINGS

The upper right section of the main window contains a list of settings for a label project and settings of objects included in the label project.

### 6.1. List of label project settings

If a label project does not contain any object, or none of the objects located in a label project is selected, then the list of settings comprises global parameters of a label project:

**Where:**

- Submenu “**Layout**” contains:

- Height** - label height settings
- Width** - label width settings
- Wmargin** - horizontal margin settings
- Hmargin** - vertical margin settings
- Arrangement** - Label printout orientation (normal or reversed)

<b>Layout</b>	
Width	40
Height	40
Wmargin	0
Hmargin	0
Arrangement	Standard
<b>Printer settings</b>	
Configuration (...)	
<b>Project settings</b>	
Name	Test
Description	
Scale	PUE 7
Printer	Citizen
<b>Width</b>	
Label width.	

- Submenu “**Printer settings**” enables configuring a declared printer,
- Submenu “**Project settings**” contains:
  - Name** - name of a label project (read-only parameter)
  - Description** - description of a label project
  - Scale** - type of declared scale (read-only parameter)
  - Printer** - type of declared printer (read-only parameter)
- Bottom section of the list indicates description of edited setting.

## 6.2. List of text settings

On selecting on a label project an object of type “Text”, the list of automatic settings converts to displaying settings of the selected text:

Where:

- Submenu “**Fonts**” contains:

**Font type** - font type (True Type or System)  
**Id** - font Id

- Submenu “**Layout**” contains:

**Arrangement** - changing text orientation (normal, bottom, inversely, up)

**Location** - text location in a label project, where:

**X** - Axis X of text location

**Y** - Axis Y of text location

- Submenu “**Text**” contains:

**Text** - content of text to be displayed

- Bottom section of the list indicates description of edited setting.

[-] <b>Fonts</b>	
Font type	TrueType
Id	50
[-] <b>Layout</b>	
Arrangement	Normal
[-] <b>Location</b>	
X	100
Y	260
[-] <b>Text</b>	
Text	Radwag
<b>Text</b>	
Displayed content	

## 6.3. List of variable settings

On selecting on a label project an object of type “Variable”, the list of automatic settings converts to displaying settings of the selected variable:

Where:

- Submenu “**Fonts**” contains:

**Font type** - font type (True Type or System)  
**Id** - font Id

- Submenu “**Layout**” contains:

**Arrangement** - changing variable orientation (normal, bottom, inversely, up)

**Location** - variable location in a label project, where:

[-] <b>Fonts</b>	
Font type	TrueType
Id	50
[-] <b>Layout</b>	
Arrangement	Normal
[-] <b>Location</b>	
X	210
Y	150
[-] <b>Misc</b>	
Text	%004
[-] <b>Variable</b>	
List of variable (Collection)	
<b>Location</b>	
Location in the pattern	



- X** - Axis X of variable location
- Y** - Axis Y of variable location

- Submenu “**Misc**” contains:
  - Text** - content of a variable to be displayed
- Submenu “**Variable**” contains:
  - List of variable** - opens a window with settings of variable list
- Bottom section of the list indicates description of edited setting.

### 6.4. List of image settings

On selecting on a label project an object of type “Image”, the list of automatic settings converts to displaying settings of the selected image:

**Where:**

- Submenu “**Image**” contains:
  - Image** - name of selected image file
- Submenu “**Layout**” contains:
  - Arrangement** - changing image orientation (normal, bottom, inversely, up)
  - Location** - image location in a label project, where:
    - X** - Axis X of image location
    - Y** - Axis Y of image location
- Bottom section of the list indicates description of edited setting.

Image	
Image	(C)
Layout	
Arrangement	Normal
Location	
X	30
Y	30
Location	
Location in the pattern	

### 6.5. List of barcode settings

On selecting on a label project an object of type “Barcode”, the list of automatic settings converts to displaying settings of the selected barcode.

## Przy czym:

- Where “**Barcode**” contains:
  - Type** - type of a barcode
  - Kind** - kind of a barcode (1D or 2D)
  - Height** - height of a barcode
  - Thick** - width of a thick line
  - Narrow** - width of a narrow line
  - Text visibility \*** - Barcode text visibility on a printout

\*) – Option available only in printers type ZEBRA EPL-II.

- Submenu “**Layout**” contains:
  - Arrangement** - changing barcode orientation
  - Location** - barcode location in a label project:
    - X** - Axis X of barcode location
    - Y** - Axis Y of barcode location

- Submenu “**Variable**” contains:
  - List of variable** - opens the Settings list of variables to use in the barcode
- Bottom section of the list indicates description of edited setting.

Barcode	
Type	EAN13
Kind	1D
Height	82
Thick	2
Narrow	2
Text visibility	Yes
Layout	
Location	60, 50
X	60
Y	50
Arrangement	Standard
Variable	
List of variabl (Collection)	
Location	
Location in the pattern	

## 6.6. List of line settings

On selecting on a label project an object of type “Line”, the list of automatic settings converts to displaying settings of the selected line:

### Where:

- Submenu “**Line**” contains:
  - Height** - line height settings
  - Width** - line width settings

Layout	
Location	50, 300
X	50
Y	300
Line	
Height	34
Width	295
Location	
Location in the pattern	

- Submenu “**Layout**” contains:

**Location** - line location in a label project, where:  
**X** - Axis X of line location  
**Y** - Axis Y of line location

- Bottom section of the list indicates description of edited setting.

## 6.7. List of frame settings

On selecting on a label project an object of type “Frame”, the list of automatic settings converts to displaying settings of the selected frame:

**Where:**

- Submenu “**Frame**” contains:

**Height** - frame height settings  
**Thickness** - frame’s line thickness settings  
**Width** - frame width settings

- Submenu “**Layout**” contains:







**Location** - frame location in a label project, where:  
**X** - Axis X of frame location  
**Y** - Axis Y of frame location

- Bottom section of the list indicates description of edited setting.


[-] <b>Frame</b>	
Height	193
Thickness	1
Width	308
[-] <b>Layout</b>	
[-] Location <b>40, 50</b>	
X	40
Y	50
<b>Location</b> Location in the pattern	

## 7. LIST OF OBJECTS

The bottom right section of the main window contains a list of objects for a which can be located on a label project. The objects are sorted by their **Id** number. Each element of the list has an image displayed next to its **Id** number. The image is identifiable with image type.

	Id	Name	Details
	6	Text	Radwag
	5	Barcode	{7:V6.3}
	4	Variable	%004
	3	Image	(C)
	2	Frame	
	1	Line	

## 8. CREATING NEW LABEL PROJECT

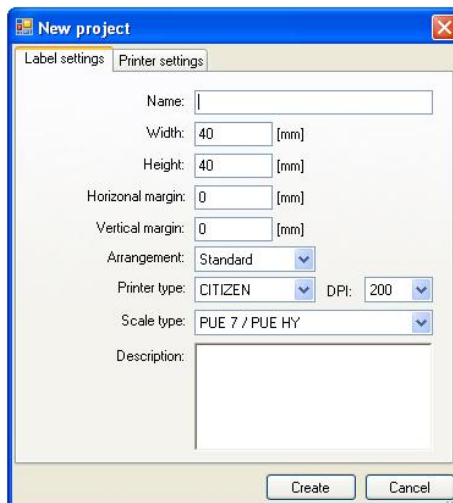
In order to create a new label project, select option **<File / New>** in the main menu or press  key of the standard tool bar.

A window **<New project>** is opened containing two tabs:

- Label settings,
- Printer settings.

### 8.1. Label settings

Preview of **<Label settings>** tab in the **<New project>** window:



**New project**

Label settings | Printer settings

Name:

Width:  [mm]

Height:  [mm]

Horizontal margin:  [mm]

Vertical margin:  [mm]

Arrangement:

Printer type:  DPI:

Scale type:

Description:

Create Cancel

## Where:

<b>Name</b>	- name of label project
<b>Width</b>	- label width
<b>Height</b>	- label height
<b>Horizontal margin</b>	- horizontal margin causing relocation label's project on a printout
<b>Vertical margin</b>	- vertical margin causing relocation label's project on a printout
<b>Arrangement</b>	- Label printout orientation (normal or reversed)
<b>Printer type</b>	- type of operated printer (CITIZEN, ZEBRA EPL-II, ZEBRA ZPL-II)
<b>DPI</b>	- DPI resolution of operation printer
<b>Scale type</b>	- type of operated scale
<b>Description</b>	- additional description of a label project

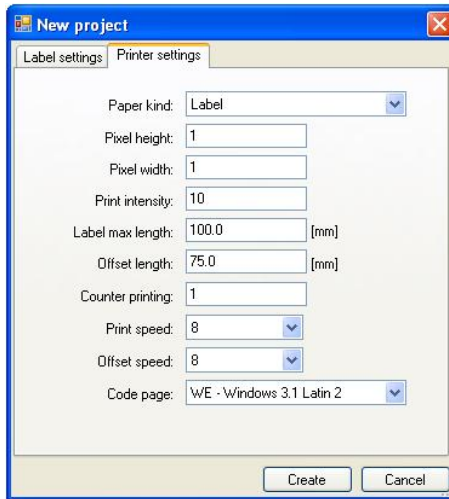
## 8.2. Printer settings

On selecting a type of printer for labels in tab **<Printer settings>**, the software adjusts its parameters to the requirements of the selected printer. Designing label process is the same for each printer. The changes refer only to some software functions or used objects.

### **Notice:**

*Some of the options accessible in the software adjusted for cooperation with one printer type may be inaccessible in case of cooperating with another printer type.*

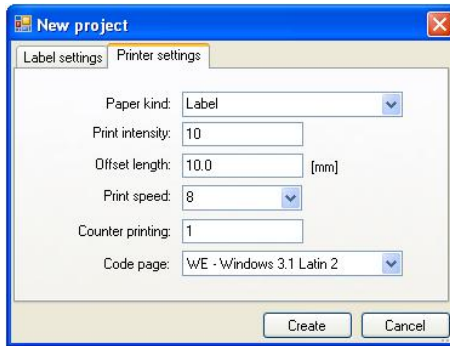
- Preview of **<Printer settings>** tab in the **<New project>** window declared for cooperation with the label printer type **CITIZEN**:



**Where:**

- Paper kind** - selection of paper type on which a label is printed (a label or fanfold)
- Pixel height** - declaration of pixel height used for printing a label
- Pixel width** - declaration of pixel width used for printing a label
- Print intensity** - increasing / decreasing printout blackening
- Label max length** - declaration of max length of a printed label, in case of paper type: "label"
- Offset length** - declaration of the offset of a printed label for tearing off
- Counter printing** - declaration of the number of labels to print
- Print speed** - declaration of print speed of a label
- Offset speed** - declaration of offset speed of a label
- Code page** - Symbol of a code side used for printing a label with use of True Type fonts uploaded to a Citizen printer (see "**Appendix D**" of the user manual)

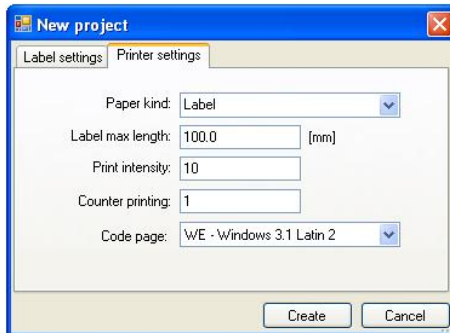
- Preview of **<Printer settings>** tab in the **<New project>** window declared for cooperation with the label printer type **ZEBRA EPL-II**:



## Where:

- Paper kind** - selection of paper type on which a label is printed (a label or fanfold)
- Print intensity** - increasing / decreasing printout blackening
- Offset length** - declaration of the offset of a printed label for tearing off
- Counter printing** - declaration of the number of labels to print
- Print speed** - declaration of print speed of a label
- Code page** - Symbol of a code side used for printing a label with use of True Type fonts uploaded to a ZEBRA EPL-2 printer (see “**Appendix D**” of the user manual)

- Preview of <Printer settings> tab in the <New project> window declared for cooperation with the label printer type **ZEBRA ZPL-II**:



## Where:

- Paper kind** - selection of paper type on which a label is printed (a label or fanfold)
- Label max length** - declaration of max length of a printed label, in case of paper type: "label"
- Print intensity** - increasing / decreasing printout blackening
- Counter printing** - declaration of the number of labels to print
- Code page** - Symbol of a code side used for printing a label with use of True Type fonts uploaded to a ZEBRA ZPL-2 printer (see "**Appendix D**" of the user manual)

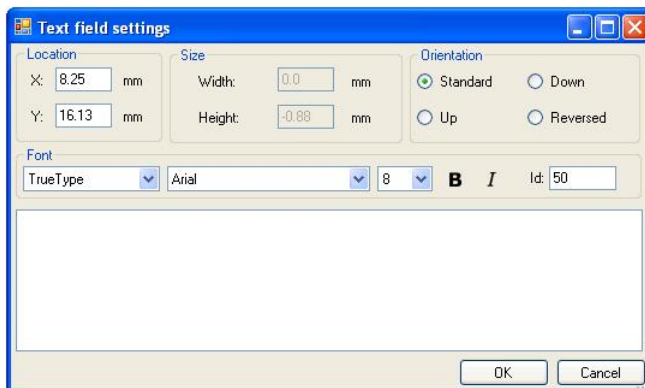
## 9. PLACING OBJECTS ON A LABEL

Objects in a label projects under creation are added using menu "**Objects**" (see. Point. 6 of the user manual).

### 9.1. Text

In order to add a text to a label project, follow below procedure:

1. Use menu Objects to select option: **<Abc Text>**,
2. Click the area on label's workspace, which opens a window **<Text field settings>**:



## Where:

- Submenu "**Location**" contains:



- X** - Axis X of text field location on a label
- Y** - Axis Y of text field location on a label

- Submenu “**Size**” for the text field settings is disabled,
- Submenu “**Orientation**” contains:
  - Standard** - orientation normal (0 degrees of rotation)
  - Down** - orientation down (90 degrees of rotation)
  - Up** - orientation up (270 degrees of rotation)
  - Reversed** - orientation inverted (180 degrees of rotation)

- Submenu “**Font**” contains:

<input type="text" value="TrueType"/>	- font type “True Type” or “System”
<input type="text" value="Arial"/>	- font name *
<input type="text" value="8"/>	- font size
<input type="checkbox"/> <b>B</b>	- text bolding *
<input type="checkbox"/> <b>I</b>	- text italic type *
<input type="text" value="Id: 50"/>	- font Id *

\*) – Function disabled for font type “System”


3. Use editing field of the bottom section of <**Text field settings**> window to insert desired text,
4. On pressing the **OK** key, the inserted text is located on a label project.

**Notice:**

1. Operation of “**True Type**” font with a specified **name** and determined **Id** requires uploading the font to printer’s memory. If the font’s **Id** field is set to 50, then the printer’s needs to have font record under the address 50 in its memory. If these requirements are failed, then the texts utilizing this font shall not be printed,
2. The procedure for uploading fonts to printer’s memory is specified in point 10.3 of this user manual,
3. Fonts type “**System**” do not have characters other than **ASCII**.


## 9.2. Frame

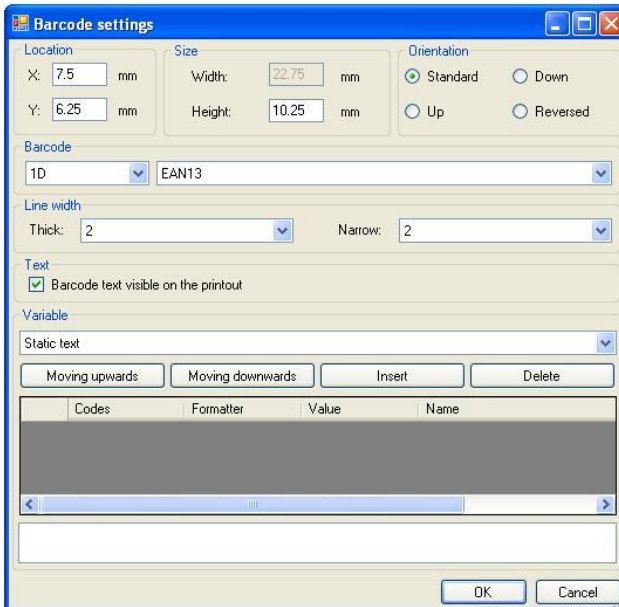
In order to add an object type „**Frame**” to a label project, follow below procedure:

1. Use left menu Objects and press <  **Frame**> key,
2. Using cursor and mouse, select desired area for a frame on label’s project. The frame is automatically inserted into the selected area.

## 9.3. Barcode

In order to add a barcode to a label project, follow below procedure:

1. Use menu Objects to select option <  **Barcode**> ,
2. Click the area on label’s workspace, which opens a window <**Barcode settings**>:



**Where:**

- Submenu “**Location**” contains:

- X** - Axis X of barcode location on a label
- Y** - Axis Y of barcode location on a label

- Submenu “**Size**” contains:

- Width** - for the barcode settings the function is disabled
- Height** - height of a barcode

- Submenu “**Orientation**” contains:

- Standard** - orientation normal (0 degrees of rotation)
- Down** - orientation down (90 degrees of rotation)
- Up** - orientation up (270 degrees of rotation)
- Reversed** - orientation inverted (180 degrees of rotation)

- Submenu “**Barcode**” contains:

- declaration of a single dimension code 1D / two-dimension code 2D

- selection of barcode type

**Notice:**

*List of available barcode types depends on selection of a printer, and they are specified in “**Appendix C**” of this user manual.*

- Submenu „**Line width**” contains:

- Thick** - width of a thick line
- Narrow** - width of a narrow line

- Submenu “**Text**” allows for disabling visibility of barcode text on a printout.

**Notice:**


*Submenu “**Text**” is available only in printers type **ZEBRA EPL-II**.*

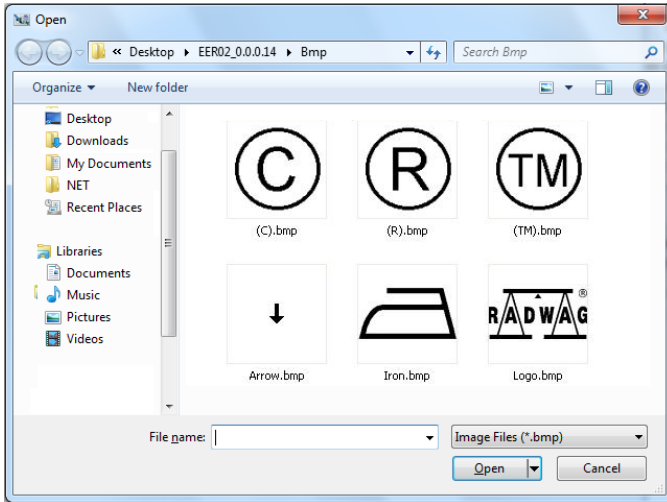
- Submenu „**Variable**” is functionally equal to the “**Variable**” accessible in window <**Variable settings**> (Description – see point 9.5 of this user manual).

3. Inserting values should be confirmed by pressing **OK** key, then the barcode is automatically located in a label project.

## 9.4. Image

In order to add an image to a label project, follow below procedure:

1. Use menu objects, option  **Image**, to select an image to add it to a label project,
2. Click the workspace of a label, which opens a system window **<Opening>**:



The window contains list of images located in a local folder of the computer software: C:\Program Files\RADWAG\Edytor etykiet R02\Bmp. Depending on declared printer model, the list of images comprises files in recognized formats:

- In case of CITIZEN printers, the list comprises files with extension **\*.bmp**,
  - In case of ZEBRA printers, the list comprises files with extension **\*.pcx**.
3. Select desired file from the available list of images, and press **<Open>** key. The selected file is marked and added to a label project.

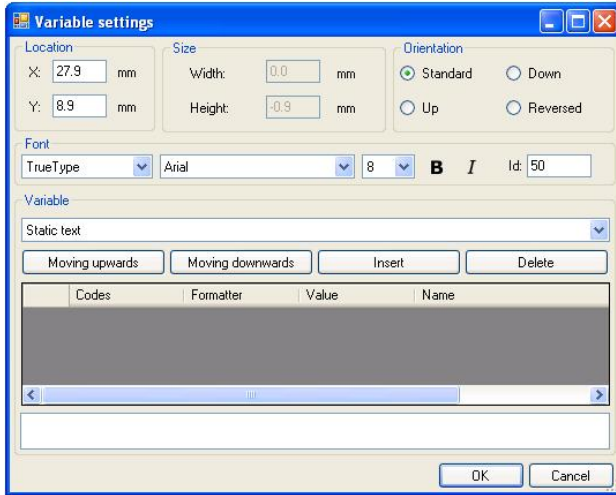
### **Notice:**

*In order to print a selected image on a plugged printer, it is necessary to upload the image to printer's memory (see point 10.1 of this user manual).*

## 9.5. Variable

In order to add a variable to a label project, follow below procedure:

1. Use menu objects, position  $\langle \{X_1, X_2\} \rangle$  **Variable**, to select a variable and add it to a label project,
2. Click the workspace of a label, which opens a window **<Variable settings>**:



**Where:**

- Submenu **“Location”** contains:
  - X - Axis X of variable field location on a label
  - Y - Axis Y of variable field location on a label
- Submenu **“Size”** for the variable field settings is disabled,
- Submenu **“Orientation”** contains:
  - Standard** - orientation normal (0 degrees of rotation)
  - Down** - orientation down (90 degrees of rotation)
  - Up** - orientation up (270 degrees of rotation)
  - Reversed** - orientation inverted (180 degrees of rotation)

- Submenu “**Font**” contains:

<input type="text" value="TrueType"/>	- font type “True Type” or “System”
<input type="text" value="Arial"/>	- font name *
<input type="text" value="8"/>	- font size
<b>B</b>	- text bolding *
<i>I</i>	- text italic type *
id: <input type="text" value="50"/>	- font Id *

\*) – Function disabled for font type “System”

3. Use option “**Variable**” and pull-down menu  to select a static text or a variable (the list of variables complies with determined type of scale indicator),

4. Confirm selection by pressing  key. The variable is added to below presented table of variables:





Codes	Formatter	Value	Name
{4}			4 Date and time

**Where:**

- Table of variables comprises columns:
  - Codes** - code of an inserted variable (in case of using a static text, the code is symbol ST)
  - Formatter** - inserting special characters for formatting numerical and text variables or date (see “**Appendix B**” of the user manual)
  - Value \*** - inserting the content (value) of a static text or a variable
  - Name** - name of an inserted variable

\*) – the possibility of inserting the content / value of a variable enables initial previewing the variable’s length on a label project, as the variable is converted by scale’s indicator while printing.

- The table of variables contains additional keys:


	- matching a desired entry on the list
	- variable shift one position up
	- variable shift one position down
	- deleting inserted items from the table

- The bottom section of the table of variables contains previewing window for inserted data.

5. Inserted values should be confirmed by pressing **OK** key. Then the variable is automatically added to a label project.

## 9.6. Line

In order to add an object type “**Line**” to a label project, follow below procedure:

1. Click  **Line**> key on the menu objects located on the left side of the main window,
2. Using cursor and mouse, select desired area for a line on label’s project. The line is automatically inserted into the selected area

## 10. SENDING DATA TO A PRINTER

On selecting a label printer, the software automatically adjusts to printer’s parameters. Software user can send images and fonts to the declared printer.

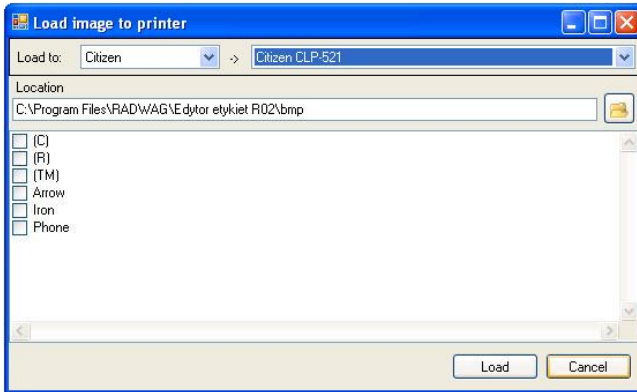
### **Notice:**


*Cooperation of “**Label Editor R02**” software with a declared printer (sending data, printing a label) requires installing the device in the system and simultaneous declaring a communication port for the printer.*

## 10.1. Uploading images

in order to upload an image to printer's memory, follow the procedure:

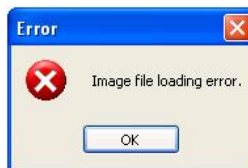
1. Select menu **<Tools /  Load bitmap to printer>**, which opens a window **<Load image to printer>**:



2. Use pull-down menu **<Load to:>** and select type of operated printer, and use the neighbouring list to select name of a printer installed in the system,
3. Use  key to select image directory (if necessary). The window contains list of images saved on a local folder of the computer software: **C:\Program Files\RADWAG\Edytor etykiet R02\Bmp.**

### **Notice:**

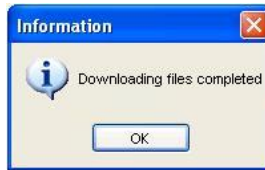
*Should the user create a new image, remember to save them as a **"Monochromatic bitmap"**. In case of uploading other (incorrect) format of an image, the software signals error message:*



4. Select an image file on below list and double-click it,



5. Press **<Load>** key,
6. On completing uploading the image, the software displays a message box:



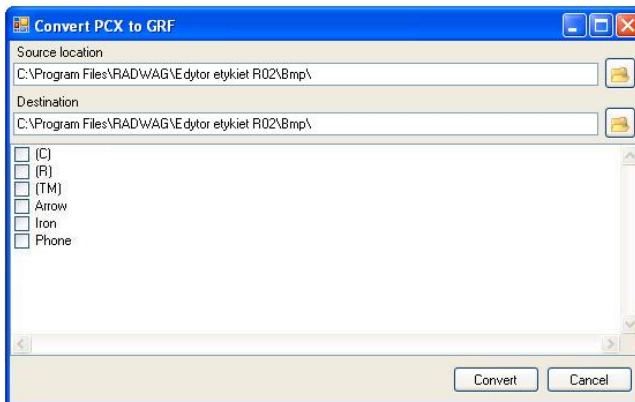
7. Confirm the message box by pressing **OK** key.


## 10.2. Converting files \*.PCX to format \*.GRF

Memory of **ZEBRA ZPL-II** printer requires uploading images in format **\*.grf**. Therefore, the images should be converted from format **\*.pcx** to format **\*.grf** and only then the images can be uploaded the printer's memory.

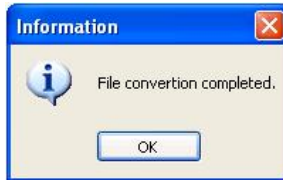
### Procedure:

1. Select menu **<Tools /  Convert PCX to GRF>**, which opens a window **<Convert PCX to GRF>**:



2. Use  keys to select image's source directory and target directory (if necessary). The window contains list of images saved on a local folder of the computer software: **C:\Program Files\RADWAG\Edytor etykiet R02\Bmp**.

3. Select on below list a desired location for the image by double-clicking it,
4. Press **<Convert>** key,
5. On completing file converting, the software displays a message box:



6. Confirm the message box by pressing **OK** key.

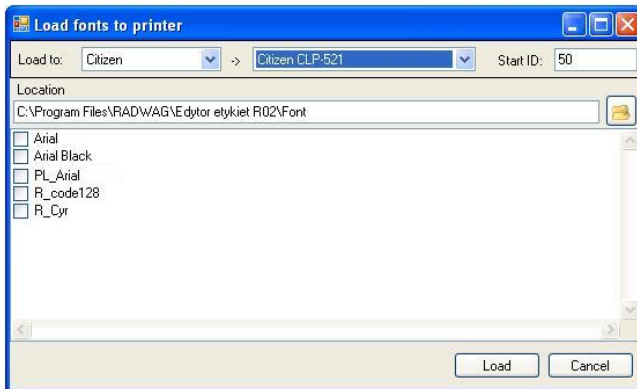
### 10.3. Uploading fonts of True Type

The procedure of uploading fonts to a printer's memory differs according to type of declared printer.

#### 10.3.1. Uploading fonts to a CITIZEN printer

**CITIZEN** label printers use **True Type** fonts in standard format **\*.ttf**. In order to upload a true type font to a printer's memory, follow the procedure:


1. Select menu **<Tools / <sup>Ag</sup> Load fonts to printer>**, which opens a window **<Load fonts to printer>**:

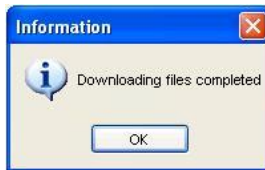


2. Use pull-down menu **<Load to:>** to select printer type: **“Citizen”** and use the neighbouring list to select the corresponding name of a printer installed in the system,
3. Field **<Start ID:>** is designed for determining number of printer’s memory cell to which the font is uploaded, the default value is **Id = 50**,

**Notice:**

*If a user matches several positions on the list, then the software automatically assigns successive **Id** numbers to the fonts, according to printer’s specification.*


4. Use  key to select font directory (if necessary). The window contains list of fonts in format \*.ttf saved on a local folder of the computer software: **C:\Program Files\ RADWAG\Edytor etykiet R02\Font**.
5. Select a font on below list by double-clicking it, and press **<Load>** key,
6. On completing uploading the font, the software displays a message box:

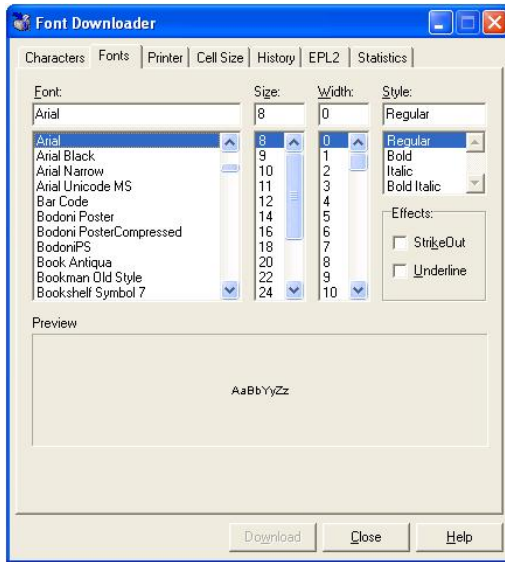


7. Confirm the message box by pressing **OK** key.

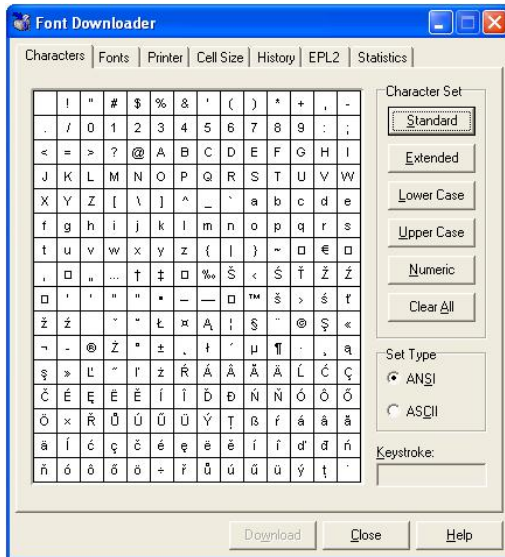
### 10.3.2. Uploading fonts to a ZEBRA EPL-II printer

**ZEBRA EPL-II** label printers use **True Type** fonts in standard format \*.ttf. In order to upload a true type font to a printer’s memory, follow the procedure:

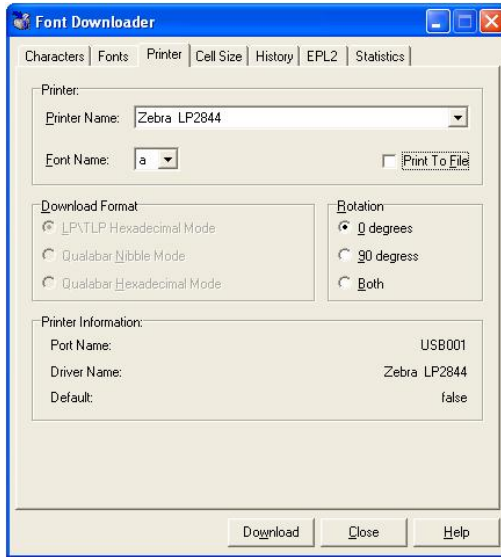
1. Select menu **<Tools /  Load fonts to printer>**, which opens a window **<Font Downloader>**:



2. Use <Font:> list to select a desired font type and use neighbouring lists to select font's size and style,
3. Go to tab <Characters>, which opens a window:



4. Select desired position for characters in the table by clicking a specific character or select the whole table of characters using **<Extender>** key,
5. Go to tab **<Printer>**, which opens a window:



6. Use submenu **<Printer:>**:
  - In pull-down menu **<Printer Name>** select name of a printer installed in the system,
  - In pull-down menu **<Font Name>** select number of memory cell of the printer to which the font should be uploaded,
7. Press **<Download>** key,
8. On completing the process, the software displays a message box:

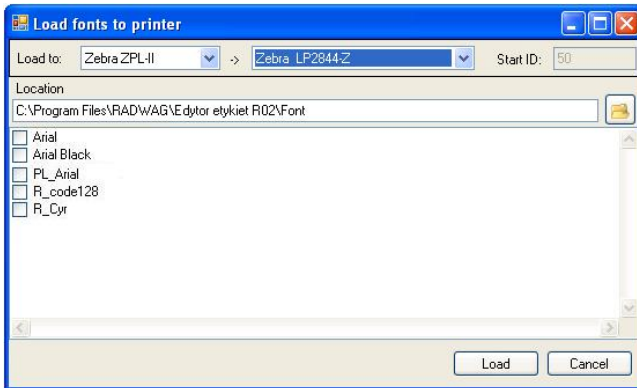



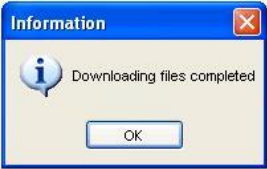
9. Confirm the message box by pressing **OK** key, and leave the **<Font Downloader>** window by pressing **<Close>** key.

### 10.3.3. Uploading fonts to a ZEBRA ZPL-II printer

**ZEBRA ZPL-II** label printers use **True Type** in format **\*.zst**. In order to upload a font to a printer's memory, follow the procedure:

1. Select menu **<Tools /  Load fonts to printer>**, which opens a window **<Load fonts to printer>**:



2. Use pull-down menu **<Load to:>** to select printer type: **"ZEBRA ZPL-II"** and use the neighbouring list to select the corresponding name of a printer installed in the system,
  3. Field **<Start ID:>** in case of cooperating with printer type **"ZEBRA ZPL-II"** is disabled, as the fonts uploaded to the instrument are identified by their names,
  4. Use  key to select font directory (if necessary). The window contains list of fonts in format **\*.zst** saved on a local folder of the computer software: **C:\Program Files\ RADWAG\Edytor etykiet R02\Font**.
  7. Select a font on below list by double-clicking it, and press **<Load>** key,
  8. On completing the process, the software displays a message box:
- 
9. Confirm the message box by pressing **OK** key.

## 11. APPENDIX A – LIST OF VARIABLES

Below tables contain list of available variables in relation to the type of declared scale's indicator/terminal.

PUE C41H	
Symbol	Description
%000	Mass in basic measuring unit for current weighing platform
%001	Mass in current measuring unit for current weighing platform
%002	Date
%003	Time
%004	Date and time
%005	Adjustment unit
%006	Current unit
%007	Min threshold (low checkweighing threshold in specified working mode)
%008	Max threshold (high checkweighing threshold in specified working mode)
%009	Min threshold (for checkweighing) 7 digits
%010	Max threshold (for checkweighing) 7 digits
%011	Net weight in adjustment unit
%012	Gross weight in adjustment unit
%013	Displayed value in current measuring unit
%014	Tare in adjustment unit
%015	Statistics - ordinal number
%016	Statistics - sum in unit of active working mode
%017	Statistics - mean value in adjustment unit
%018	Statistics - minimal value in adjustment unit
%019	Statistics - maximal value in adjustment unit
%020	Statistics – unit
%021	Single part mass (reference mass in measuring unit of weighing platform 1)
%022	Standard mass declared in working mode - percent setup
%023	Weighing platform no.
%024	Operator name
%025	Operator code
%026	Status of counter N2 of cc label
%027	Value of total net weight SUM2 of cc label
%028	Raw material name
%029	Raw material code
%030	Client name
%031	Client code
%032	Client street
%033	Client postal code

%034	Client city
%035	Client country
%036	Client TIN
%037	Client discount
%038	Product name
%039	Product code
%040	Product EAN code
%041	Product unit mass
%042	Product minimal mass
%043	Product maximal mass
%044	Product tare
%045	Product price
%046	Product expiry date
%047	Product VAT
%048	Product date
%049	Currency
%050	Start printing ingredients/materials
%051	Continue printing ingredients/materials
%052	Net value
%053	Net c value
%054	Net cc value
%055	Gross value
%056	Net mass (lb)
%057	Expiry date (current date + product shelf-life time in days)
%058	Number of displayed decimal places (adjustment unit)
%059	Number of displayed decimal places (current measuring unit)
%060	Net mass in EAN 13 code (6-digit code)
%061	Net mass in EAN 13 code (7-digit code for supermarkets)
%062	Net value in EAN 13 code (6-digit code)
%063	Net value in EAN 13 code (7-digit code)
%064	Net mass in EAN 128 code
%065	Net c mass in EAN 128 code
%066	Net cc mass in EAN 128 code
%067	Net mass (lb) in EAN 128 code
%068	Gorss mass in EAN 128 code
%069	Product price in EAN 128 code
%070	Date in EAN 128 code
%071	Product date in EAN 128 code
%072	Product expiry date in EAN 18 code
%073	Weighing data printout - Weighing net mass
%074	Weighing data printout - Ingredient nominal mass in a formulation
%075	Weighing data printout - Measuring unit



%076	Weighing data printout - Weighing date
%077	Weighing data printout - Weighing time
%078	Weighing data printout - Operator code
%079	Weighing data printout - Product code
%080	Weighing data printout - Client code
%081	Weighing data printout - Formulation code
%083	Weighing data printout - Lot number
%084	Weighing data printout - Weighing platform number
%085	Weighing data printout - Weighing status
%086	Reports from weighing - Lights status (MIN, OK, MAX)
%087	Reports from weighing - Sum of weighing records
%088	Reports from weighing - Measuring unit
%089	Reports from weighing - Number of weighing records
%090	Reports from weighing - Start date
%091	Reports from weighing - End date
%092	Reports from weighing - Operator code
%093	Reports from weighing - Product code
%094	Reports from weighing - Client code
%095	Reports from weighing - Formulation code
%096	Reports from weighing - Batch number printout
%097	Reports from weighing - Lot number
%098	Reports from weighing - Weighing type
%099	Reports from weighing - Weighing platform number
%100	Net c mass in EAN 13 code (6-digit code)
%101	Net c mass in EAN 13 code (7-digit code)
%102	Net c value in EAN 13 code (6-digit code)
%103	Net c value in EAN 13 code (7-digit code)
%104	Net cc mass in EAN 13 code (6-digit code)
%105	Net cc mass in EAN 13 code (7-digit code)
%106	Net cc value in EAN 13 code (6-digit code)
%107	Net cc value in EAN 13 code (7-digit code)
%108	Reports from formulas - Report date
%109	Reports from formulas - Report time
%110	Reports from formulas - Operator code
%111	Reports from formulas - Operator name
%112	Reports from formulas - Formulation code
%113	Reports from formulas - Formulation name
%114	Reports from formulas - Number of ingredients in a formulation
%115	Reports from formulas - Formulation status
%116	Reports from formulas - Sum of formulation mass
%117	Reports from formulas - Adjustment unit of weighing platform 1
%118	Reports from formulas - Ingredients mass

%119	Reports from formulas - Ingredient name
%120	Reports from formulas - Ingredient deviation
%121	Reports from formulas - Ingredient unit
%122	Reports from formulas - Product code assigned to an ingredient
%123	Reports from formulas - Product name assigned to an ingredient
%124	Reports from formulas - Weighing platform number assigned to an ingredient
%125	Reports from formulas - Current ingredient settings
%126	Quantity of a reference in parts counting mode
%127	Tare difference (current tare reduced by product tare)
%128	Lot number (6 characters)
%129	Name of current record for which complex report is formed
%130	Marking weighing data printout field in a complex report
%131	Dosing net mass in adjustment unit
%132	Current number of records in weighing datanase
%133	Reports from formulas - Ingredient's lot number
%134	Batch number
%135	Printout of weighing data - Batch number
%136	Current dosing correction as mass in adjustment unit
%137	Current MAX threshold after correction
%138	Mass decrement value in percent
%139	Net mass in adjustment unit on subtracting mass decrement
%140	Net mass in current measuring unit on subtracting mass decrement

<b>TMC</b>	
<b>Symbol</b>	<b>Description</b>
<\$pomiar_trans_symbol>	Transaction symbol
<\$pomiar_trans_dataczas_rozp>	Transaction start date
<\$pomiar_trans_typ_symbol>	Transaction type - symbol
<\$pomiar_trans_typ_opis>	Transaction type - description
<\$pomiar_operator_kod>	Operator - code
<\$pomiar_operator_nazwa>	Operator - name
<\$pomiar_towar_kod>	Product - code
<\$pomiar_towar_nazwa>	Product - name
<\$pomiar_kontrahent_kod>	Client - code
<\$pomiar_kontrahent_nazwa>	Client - name
<\$pomiar_ilosc>	Quantity
<\$pomiar_dataczas>	Measurement date
<\$pomiar_ilosc_masa_brutto>	Gross weight
<\$pomiar_tara>	Tare (sum of packages mass)
<\$pomiar_symbol_serii>	Lot symbol
<\$pomiar_nr_kolczyka>	Ear tag no.
<\$pomiar_data_przydatnosci>	Expiry date
<\$pomiar_kod_kreskowy>	Barcode
<\$pomiar_towar_opis_X>	Description field assigned to product

<\$pomiar_mag_zrodlo_kod>	Source warehouse code
<\$pomiar_mag_zrodlo_nazwa>	Source warehouse name
<\$pomiar_mag_cel_kod>	Destination warehouse code
<\$pomiar_mag_cel_nazwa>	Destination warehouse name
<\$pomiar_masa_jednostkowa>	Unit mass of weighed product
<\$pomiar_nr_wazenia>	Weighing control number
<\$pomiar_ilosc_opakowan>	Number of packages in weighing
<\$pomiar_masa_jednostkowa>	Weighed quantity/number of pieces
<\$numer_skrzynki>	No. of the following box in transaction
<\$pomiar_ilosc_masa_suma>	Sum of mass
<\$pomiar_ilosc_sztuki_suma>	Sum of products in pieces
<\$pomiar_towar_nazwa_X>	Name of weighed product
<\$pomiar_ilosc_X>	Quantity of weighed product
<\$ryby_zleczenie_numer>	Fish - order no.
<\$ryby_surowiec_nazwa>	Fish - raw material name
<\$data_produkcyj>	Manufacturing date
<\$data_waznosci>	Expiry date
<\$temperatura_przechowywania>	Storage temperature
<\$ryby_dostawca_nazwa>	Fish - supplier name
<\$ryby_jakosc_rozmiar>	Fish - quality, size
<\$ryby_waga_deklarowana>	Fish - declared weight
<\$ilosc>	Quantity of fish
<\$ryby_kod_kreskowy>	Fish - barcode
<\$ryby_surowiec_nazwa>	Fish - raw material name
<\$ryby_index_wyrobu>	Fish - product index
<\$ryby_zleczenie_opis>	Fish - order description
<\$ryby_waga_deklarowana>	Fish - declared weight
<\$ryby_kod_kreskowy_2>	Fish - barcode 2
<\$ryby_kod_kreskowy_opis>	Fish - barcode description
<\$ryby_kod_kreskowy_2_opis>	Fish - barcode 2 description
<\$pomiar_mag_zrodlo_kod>	Source warehouse code
<\$pomiar_mag_zrodlo_nazwa>	Source warehouse name
<\$pomiar_mag_cel_kod>	Destination warehouse code
<\$pomiar_mag_cel_nazwa>	Destination warehouse name

PUE 7, HY	
Symbol	Description
{0}	Standard printout in adjustment unit
{1}	Standard printout in current measuring unit
{2}	Date
{3}	Time
{4}	Date and time
{5}	Mathematical function
{6}	Net mass in current measuring unit

{7}	Net mass in adjustment unit
{8}	Gross mass
{9}	Tare
{10}	Current measuring unit
{11}	Adjustment unit
{12}	Min threshold
{13}	Max threshold
{14}	Lot number
{15}	Statistics c: Number
{16}	Statistics c: Sum
{17}	Statistics c: Mean
{18}	Statistics c: Minimum
{19}	Statistics c: Maximum
{20}	Statistics cc: Number
{21}	Statistics cc: Sum
{22}	Statistics cc: Mean
{23}	Statistics cc: Minimum
{24}	Statistics cc: Maximum
{25}	Mass: [lb]
{26}	Result control
{27}	Value
{28}	C value
{29}	CC value
{30}	Gross value
{31}	Weighing platform number
{32}	Factory number
{33}	Scale interval
{34}	Range
{35}	Parts counting: Reference mass
{36}	Percent setup: Reference mass
{37}	Statistics: Standard deviation
{38}	CC statistics: Standard deviation
{39}	Universal variable
{41}	Batch number
{42}	Statistics: Weighing counter
{43}	Platform mass
{50}	Product: Name
{51}	Product: Code
{52}	Product: EAN Code
{53}	Product: Mass
{54}	Product: Tare
{55}	Product: Unit price
{56}	Product: Minimum
{57}	Product: Maximum
{58}	Product: PGC mode
{59}	Product: Expiry date in days

{60}	Product: VAT
{61}	Product: Date
{62}	Product: Expiry date
{63}	Product: Density
{64}	Product: Ingredients
{65}	Product: Description
{66}	Product: Low deviation
{67}	Product: High deviation
{75}	Operator: Name
{76}	Operator: Code
{77}	Operator: Authorization
{80}	Packaging: Name
{81}	Packaging: Code
{82}	Packaging: Mass
{85}	Client: Name
{86}	Client: Code
{87}	Client: TIN
{88}	Client: Address
{89}	Client: Postal code
{90}	Client: City
{91}	Client: Discount
{100}	PGC Report: Batch number
{101}	PGC Report: Start date
{102}	PGC Report: End date
{103}	PGC Report: Result
{104}	PGC Report: Batch quantity
{105}	PGC Report: Number of measurements
{106}	PGC Report: Value of T1 error
{107}	PGC Report: Value of 2T1 error
{108}	PGC Report: Number of T1 errors
{109}	PGC Report: Permissible number of T1 errors
{110}	PGC Report: Number of 2T1 errors
{111}	PGC Report: Sum
{112}	PGC Report: Min
{113}	PGC Report: Max
{114}	PGC Report: Mean
{115}	PGC Report: Mean limit
{116}	PGC Report: Standard deviation
{117}	PGC Report: Measurements
{118}	PGC Report: Unit
{119}	PGC Report: Report no.
{120}	Average Tare Report: Date
{121}	Average Tare Report: Result
{122}	Average Tare Report: Standard deviation
{123}	Average Tare Report: 0,25T1
{124}	Average Tare Report: Number of measurements

{125}	Average Tare Report: Measurements
{126}	Average Tare Report: Report no.
{130}	Source warehouse: Name
{131}	Source warehouse: Code
{132}	Source warehouse: Description
{135}	Destination warehouse: Name
{136}	Destination warehouse: Code
{137}	Destination warehouse: Description
{140}	Net mass in adjustment unit: Sum
{143}	Hex
{144}	Hex UTF-8
{145}	Partial mass
{146}	Gross mass in current measuring unit
{147}	Tare in current measuring unit
{149}	IP Address
{155}	Density: Start date
{156}	Density: End date
{157}	Density: Method
{158}	Density: Standard liquid
{159}	Density: Standard liquid density
{160}	Density: Temperature
{161}	Density: Sinkers volume
{162}	Density
{163}	Density: Unit
{164}	Density: Sample number
{165}	Density: Weighing 1
{166}	Density: Weighing 2
{167}	Density: Weighing 3
{168}	Density: Volume
{169}	Density: Pycnometer mass
{170}	Density: Pycnometer density
{175}	Dosing process: Name
{176}	Dosing process: Code
{177}	Dosing process: Cycle number
{178}	Dosing process: Number of cycles
{180}	Dosing report: Start date
{181}	Dosing report: End date
{182}	Dosing report: Result
{183}	Dosing report: Number of measurements
{184}	Dosing report: Total
{185}	Dosing report: Measurements
{186}	Measurements: Nominal mass

{187}	Measurements: Difference
{190}	Comparator: Report number
{191}	Comparator: Start date
{192}	Comparator: End date
{193}	Comparator: Order number
{194}	Comparator: Tested standard number
{195}	Comparator: Reference standard number
{196}	Comparator: Measurements
{197}	Comparator: Average difference
{198}	Comparator: Standard deviation
{199}	Comparator: Number of cycles
{200}	Comparator: Method
{205}	Adjustment track record: Nominal Mass
{206}	Adjustment track record: Platform number
{220}	Recipe: Name
{221}	Recipe: Code
{222}	Recipe: Cycle number
{223}	Recipe: Number of cycles
{224}	Recipe: Process progress
{225}	Recipe: Process progress in %
{226}	Recipe: Ingredient name
{227}	Recipe: Difference
{228}	Recipe: Portion
{229}	Recipe: Nominal mass
{230}	Recipe: Number of current ingredient
{231}	Recipe: Number of ingredient
{232}	Recipe: Number of current manufacturing unit
{233}	Recipe: Number of manufacturing unit
{234}	Recipe: Status
{235}	Recipe: Min
{236}	Recipe: Max
{237}	Recipe: Ingredient code
{240}	Recipe report: Start Date
{241}	Recipe report: End Date
{242}	Recipe report: Result
{243}	Recipe report: Number of measurements
{244}	Recipe report: Total
{245}	Recipe report: Measurements
{246}	Measurements: Nominal mass
{247}	Measurements: Difference
{248}	Recipe report: Ingredient code

**PUE 5**

<b>Symbol</b>	<b>Description</b>
{2}	Date
{3}	Time
{4}	Date and time
{6}	Net mass in the current unit
{7}	Net mass in adjustment unit
{8}	Gross mass
{9}	Tare
{10}	Current unit
{11}	Adjustment unit
{12}	Minimum threshold
{13}	Maximum threshold
{14}	Batch number
{15}	Statistics c: Number
{16}	Statistics c: Sum
{17}	Statistics c: Mean
{18}	Statistics c: Minimum
{19}	Statistics c: Maximum
{20}	Statistics cc: Number
{21}	Statistics cc: Sum
{22}	Statistics cc: Mean
{23}	Statistics cc: Minimum
{24}	Statistics cc: Maximum
{25}	Hex
{26}	HexToUTF8
{27}	Net value
{28}	C value
{29}	CC value
{30}	Gross value
{31}	Weighing platform no.
{35}	Parts counting: unit mass in adjustment unit
{48}	Product: Temperature
{49}	Product: Description
{50}	Product: Name
{51}	Product: Code
{52}	Product: EAN code
{53}	Product: Mass
{54}	Product: Tare
{55}	Product: Unit price
{56}	Product: Minimum



{57}	Product: Maximum
{59}	Product: Expiry date in days
{60}	Product: VAT
{61}	Product: Date
{62}	Product: Expiry date
{63}	Product: Unit
{64}	Product: Ingredients or any other additional information
{65}	Contractor: Name
{66}	Contractor: Code
{67}	Contractor: Tax ID
{68}	Contractor: Address
{69}	Contractor: Postal code
{70}	Contractor: City
{71}	Contractor: Discount
{75}	Operator: Name
{76}	Operator: Code
{77}	Operator: Authorization level
{80}	Package: Name
{81}	Package: Code
{82}	Package: Mass
{85}	Source warehouse: Name
{86}	Source warehouse: Code
{87}	Source warehouse: Description
{90}	Destination warehouse: Name
{91}	Destination warehouse: Code
{92}	Destination warehouse: Description
{300}	LOT 2
{301}	Entered Quantity
{302}	Weighing number
VN	Name of indexed article
VV	Weight of indexed article

## 12. APPENDIX B – FORMATTING VARIABLES

The user can optionally format numeric and text variables, and date operated by scale's terminals PUE 7, PUE HY and PUE 5.

### Different format commands:

- Justification to the left,
- Justification to the right,

- Setting the number of characters for printout / display,
- Declaration of the number of digital places for numeric variables,
- Date&Time formatting,
- Formatting numeric variables for EAN13 codes,
- Formatting numeric variables and dates for EAN128/GS1-128 codes.

### Format characters:

Character	Description	Example
,	Separates variables from format strings	<b>{7,10}</b> – Net mass in calibration unit situated in 10-character string justified to the right.
-	Minus sign or justification to the left	<b>{7,-10}</b> - Net mass in calibration unit situated in 10-character string justified to the left
:	Precides formatting or sepatates hours, minutes and seconds	<b>{7:0.000}</b> - Net mass in calibration unit always with three decimal places ; <b>{3:hh:mm:ss}</b> – Present time in the format : hours : minutes : seconds
.	The first dot in the format string determines the location of the decimal separator in the formatted value; any additional dot characters are ignored.	<b>{55:0.00}</b> – Unit price always with two decimal places; <b>{17:0.0000}</b> – Average value form weighings with four decimal places;
<b>F</b>	The number is converted to a string of the form "-ddd.ddd..." where each 'd' indicates a digit (0-9). The string starts with a minus sign if the number is negative.	<b>{7:F2}</b> - Net mass in calibration unit always with two decimal places. <b>{7,9:F2}</b> - Net mass in calibration unit always with two decimal places in 9-character string justified to the right.
<b>V</b>	Formatting mass and derivatives for EAN13 codes	<b>{7:V6.3}</b> - Net mass for EAN13 (6-character code) with three decimal characters
<b>T</b>	Formatting mass and derivatives for EAN128 codes	<b>{7:T6.3}</b> – Net mass for EAN128/GS1-128 with two decimal places.
/	Date separator between days, months and years	<b>{2:yy/MM/dd}</b> – Present date formatted as: year - month - day, where <b>yy</b> represents two less significant digits of year.
\	„Escape” character removing formatting function form next character to allow it to be used as a character in a text string.	<b>{2:yy\MM\dd}</b> – Present date formatted as yers / month / day; <b>{2:yy\:MM\:dd}</b> –Present date formatted as: year:month:day. In case of necessity of using „\” as literal it should be preceded by another escape characterj “\\”.

## Format examples:

Symbol	Description
{2:yyyy/MM/dd}	Present date formatted as: yers - month – day
{2:yyyy\MM\dd}	Present date formatted as: yers : month : day
{2:yyyyVMMVdd}	Present date formatted as: yers / month / day
{2:yyyy\MM\dd}	Present date formatted as: yers \ month \ day
{2:dd/MM/yyyy}	Present date formatted as: day – month – yers
{2:dd\MM\yyyy}	Present date formatted as: day : month : yers
{2:ddVMMVyyyy}	Present date formatted as: day / month / yers
{2:dd\MM\yyyy}	Present date formatted as: day \ month \ yers
{2:yyMMdd}	Date for EAN 128/GS1-128
{6:V6.0}	Net mass in current measuring unit in EAN 13 code (6-character code, 0 decimal places)
{6:V6.1}	Net mass in current measuring unit in EAN 13 code (6-character code, 1 decimal place)
{6:V6.2}	Net mass in current measuring unit in EAN 13 code (6-character code, 2 decimal places)
{6:V6.3}	Net mass in current measuring unit in EAN 13 code (6-character code, 3 decimal places)
{6:V7.0}	Net mass in current measuring unit in EAN 13 code (6-character code, 0 decimal places)
{6:V7.1}	Net mass in current measuring unit in EAN 13 code (7-character code, 1 decimal place)
{6:V7.2}	Net mass in current measuring unit in EAN 13 code (7-character code, 2 decimal places)
{6:V7.3}	Net mass in current measuring unit in EAN 13 code (7-character code, 3 decimal places)
{6:T6.0}	Net mass in current measuring unit in 128/GS1-128 code (0 decimal places)
{6:T6.1}	Net mass in current measuring unit in 128/GS1-128 code (1 decimal place)
{6:T6.2}	Net mass in current measuring unit in 128/GS1-128 code (2 decimal places)
{6:T6.3}	Net mass in current measuring unit in 128/GS1-128 code (3 decimal places)
{7:V6.0}	Net mass in adjustment unit in EAN 13 code (6-character code, 0 decimal places)
{7:V6.1}	Net mass in adjustment unit in EAN 13 code (6-character code, 1 decimal place)
{7:V6.2}	Net mass in adjustment unit in EAN 13 code (6-character code, 2 decimal places)
{7:V6.3}	Net mass in adjustment unit in EAN 13 code (6-character code, 3 decimal places)

{7:V7.0}	Net mass in adjustment unit in EAN 13 code (7-character code, 0 decimal places)
{7:V7.1}	Net mass in adjustment unit in EAN 13 code (7-character code, 1 decimal place)
{7:V7.2}	Net mass in adjustment unit in EAN 13 code (7-character code, 2 decimal places)
{7:V7.3}	Net mass in adjustment unit in EAN 13 code (7-character code, 3 decimal places)
{7:T6.0}	Net mass in adjustment unit in EAN 128/GS1-128 code (0 decimal places)
{7:T6.1}	Net mass in adjustment unit in EAN 128/GS1-128 code (1 decimal place)
{7:T6.2}	Net mass in adjustment unit in EAN 128/GS1-128 code (2 decimal places)
{7:T6.3}	Net mass in adjustment unit in EAN 128/GS1-128 code (3 decimal places)
{8:T6.0}	Gross mass for EAN 128/GS1-128 (0 decimal places)
{8:T6.1}	Gross mass for EAN 128/GS1-128 (1 decimal place)
{8:T6.2}	Gross mass for EAN 128/GS1-128 (2 decimal places)
{8:T6.3}	Gross mass for EAN 128/GS1-128 (3 decimal places)
{16:V6.0}	Cumulative net mass for EAN 13 (6-character code, 0 decimal places)
{16:V6.1}	Cumulative net mass for EAN 13 (6-character code, 1 decimal place)
{16:V6.2}	Cumulative net mass for EAN 13 (6-character code, 2 decimal places)
{16:V6.3}	Cumulative net mass for EAN 13 (6-character code, 3 decimal places)
{16:V7.0}	Cumulative net mass for EAN 13 (7-character code, 0 decimal places)
{16:V7.1}	Cumulative net mass for EAN 13 (7-character code, 1 decimal place)
{16:V7.2}	Cumulative net mass for EAN 13 (7-character code, 2 decimal places)
{16:V7.3}	Cumulative net mass for EAN 13 (7-character code, 3 decimal places)
{16:T6.0}	Cumulative net mass for EAN 128/GS1-128 (0 decimal places)
{16:T6.1}	Cumulative net mass for EAN 128/GS1-128 (1 decimal place)
{16:T6.2}	Cumulative net mass for EAN 128/GS1-128 (2 decimal places)
{16:T6.3}	Cumulative net mass for EAN 128/GS1-128 (3 decimal places)
{21:V6.0}	Cumulative of cumulative net mass EAN 13 (6-character code, 0 decimal places)
{21:V6.1}	Cumulative of cumulative net mass EAN 13 (6-character code, 1 decimal place)
{21:V6.2}	Cumulative of cumulative net mass EAN 13 (6-character code, 2 decimal places)
{21:V6.3}	Cumulative of cumulative net mass EAN 13 (6-character code, 3 decimal places)
{21:V7.0}	Cumulative of cumulative net mass EAN 13 (7-character code, 0 decimal places)
{21:V7.1}	Cumulative of cumulative net mass EAN 13 (7-character code, 1 decimal place)
{21:V7.2}	Cumulative of cumulative net mass EAN 13 (7-character code, 2 decimal places)
{21:V7.3}	Cumulative of cumulative net mass EAN 13 (7-character code, 3 decimal places)
{21:T6.0}	Cumulative of cumulative net mass for EAN 128/GS1-128 (0 decimal places)
{21:T6.1}	Cumulative of cumulative net mass for EAN 128/GS1-128 (1 decimal place)
{21:T6.2}	Cumulative of cumulative net mass for EAN 128/GS1-128 (2 decimal places)
{21:T6.3}	Cumulative of cumulative net mass for EAN 128/GS1-128 (3 decimal places)
{25:T6.0} <sup>1)</sup>	Net mass in lb for EAN 128/GS1-128 (0 decimal places)
{25:T6.1} <sup>1)</sup>	Net mass in lb for EAN 128/GS1-128 (1 decimal place)
{25:T6.2} <sup>1)</sup>	Net mass in lb for EAN 128/GS1-128 (2 decimal places)

{25:T6.3} <sup>1)</sup>	Net mass in lb for EAN 128/GS1-1288 (3 decimal places)
{27:V6.2}	Net amount to pay for EAN 13 (6-character code, 2 decimal places)
{27:V7.2}	Net amount to pay for EAN 13 (6-character code, 2 decimal places)
{28:V6.2}	Total/cumulative amount to pay for EAN 13 (6-character code, 2 decimal places)
{28:V7.2}	Total/cumulative amount to pay for EAN 13 (7-character code, 2 decimal places)
{29:V6.2}	Total/cumulative of cumulative amount to pay EAN 13 (6-character code, 2 decimal places)
{29:V7.2}	Total/cumulative of cumulative amount to pay EAN 13 (7-character code, 2 decimal places)
{55:T6.2}	Product price for EAN 128/GS1-128
{61:yyMMdd}	Product date for EAN 128/GS1-128
{62:yyMMdd}	Expiry date for EAN 128/GS1-128
{64:L}	Product: Ingredients -> Line n
{10#T} <sup>2)</sup>	Current measuring unit of a product n (n=1,2,.....20)
{15#T} <sup>2)</sup>	Statistics C: Number of product weighments n (n=1,2,.....20)
{15#TO} <sup>2)</sup>	Statistics C: Number of product packages n (n=1,2,.....20)
{16#T} <sup>2)</sup>	Statistics C: Total product mass n (n=1,2,.....20)
{16#TO} <sup>2)</sup>	Statistics C: Total mass of product packages n (n=1,2,.....20)
{17#T} <sup>2)</sup>	Statistics C: Average product mass n (n=1,2,.....20)
{18#T} <sup>2)</sup>	Statistics C: Minimum product mass n (n=1,2,.....20)
{19#T} <sup>2)</sup>	Statistics C: Maximum product mass n (n=1,2,.....20)
{20#T} <sup>2)</sup>	Statistics CC: Number of product weighments n (n=1,2,.....20)
{21#T} <sup>2)</sup>	Statistics CC: Total product mass n (n=1,2,.....20)
{22#T} <sup>2)</sup>	Statistics CC: Average product mass n (n=1,2,.....20)
{23#T} <sup>2)</sup>	Statistics CC: Minimum product mass n (n=1,2,.....20)
{24#T} <sup>2)</sup>	Statistics CC: Maximum product mass n (n=1,2,.....20)
{49#T} <sup>2)</sup>	Product: Product description n (n=1,2,.....20)
{50#T} <sup>2)</sup>	Product: Product name n (n=1,2,.....20)
{51#T} <sup>2)</sup>	Product: Product code n (n=1,2,.....20)
{52#T} <sup>2)</sup>	Product: Product EAN code n (n=1,2,.....20)
{53#T} <sup>2)</sup>	Product: Product mass n (n=1,2,.....20)
{54#T} <sup>2)</sup>	Product: Product tare n (n=1,2,.....20)
{55#T} <sup>2)</sup>	Product: Product unit price n (n=1,2,.....20)
{56#T} <sup>2)</sup>	Product: Product minimum n (n=1,2,.....20)
{57#T} <sup>2)</sup>	Product: Product maximum n (n=1,2,.....20)
{59#T} <sup>2)</sup>	Product: Product shelf life in days n (n=1,2,.....20)
{60#T} <sup>2)</sup>	Product: Product VAT n (n=1,2,.....20)

1) - Variables not supported by PUE 5 weighing terminals

2) - Variables not supported by PUE 7, PUE HY weighing terminals

### 13. APPENDIX C – LIST OF BARCODES

Below tables contain list of available barcodes in relation to determined printer:

<b>CITIZEN</b>		
<b>L.P.</b>	<b>Code 1D</b>	<b>Code 2D</b>
1	Code 3 of 9	UPS MaxiCode
2	UPC-A	PDF417
3	UPC-E	DataMatrix
4	Interleaved 2 of 5	
5	Code 128	
6	Ean-13 (JAN-13)	
7	EAN-8(JAN-8)	
8	HIBC	
9	CODEBAR (NW-7)	
10	Int 2 of 5	
11	Plessey	
12	UPC 2DIG ADD	
13	UPC 5DIG ADD	
14	Code 93	
15	UCC/EAN128	
16	UCC/EAN128 for K-MART	
17	UCC/EAN128 Random Weight	

<b>ZEBRA ZPL-II</b>		
<b>L.P.</b>	<b>Code 1D</b>	<b>Code 2D</b>
1	Interleaved 2 of 5	Code 49
2	Code 39	PDF417
3	EAN-8	CODABLOCK
4	UPC-E	UPS MaxiCode
5	Code 93	Micro-PDF417
6	Code 128 (USD-6)	QR Code
7	EAN-13	DataMatrix
8	Standard 2 of 5	
9	UPC-A	

<b>ZEBRA EPL-II</b>		
<b>L.P.</b>	<b>Code 1D</b>	<b>Code 2D</b>
1	Code 39 std. or Extended	DataMatrix
2	Code 39 with. or checkdigit	MaxiCode
3	Code 93	PDF417
4	Code 128 UCC	
5	Code 128 auto a, B, C modes	
6	Code 128 mode A	
7	Code 128 mode B	
8	Code 128 mode C	
9	Code 128 with Deutsche Post check digit	
10	Codebar	
11	EAN8	
12	EAN13	
13	Interleaved 2 of 5	
14	UCC/EAN 128	
15	UPC A	
16	UPC A 2 digit add-on	
17	UPC A 5 digit add-on	
18	UPC E	
19	UPC E 2 digit add-on	
20	UPC E 5 digit add-on	

## 14. APPENDIX D – CODE PAGES

The table below comprises a selection of code pages depending on the graphic user interface language:

<b>Code page</b>	<b>Code page No</b>	<b>Language</b>
WE – Windows 3.1 Latin 2	1250	Polish, english, french, czech german, hungarian, italian
WR - Cyrillic	1251	Russian
E1 – ISO 8859/1: Latin 1	1252	Spanish
E7 – ISO 8859/7 Latin/Greek	1253	Greek
WL – Windows-1257	1257	Latvian, estonian

## 15. APPENDIX E – HIGHLIGHTED ALLERGENS

Scales equipped with PUE 7, PUE HY terminal provide two different options for generating allergens that are to be highlighted on a list of ingredients for a particular product, the allergens to be generated on a label.

- Using “Ingredients” field of product record (indirect method),
- Using “Text” field of a window for designing a label (direct method).

The following fonts, depending on language used for designing label template (highlighted allergens support), are implemented by the software:

Font name	Font type	Language
DE_b_850	bold	German
DE_p_850	underlined	
ES_b_850	bold	Spanish
ES_p_850	underlined	
FR_b_850	bold	French
FR_p_850	underlined	
PL_b_850	bold	Polish
PL_p_850	underlined	

The software, depending on a selected language, supports the following variables for highlighted allergens:

Variable	Language
{360} - Printer: Highlighted signs [pl]	Polish
{361} - Printer: Diacritical signs [pl]	
{363} - Printer: Highlighted signs [de]	German
{365} - Printer: Diacritical signs [de]	
{366} - Printer: Highlighted signs [es]	Spanish
{367} - Printer: Diacritical signs [es]	
{368} - Printer: Highlighted signs [fr]	French
{369} - Printer: Diacritical signs [fr]	
{362} - Printer: Highlighting end	-



**Caution:**

- *Procedures for creating label designs, sending the designs to scales storage and for printout do not change.*
- *Printout of highlighted allergens is not supported by ZEBRA EPL-II printer.*

**15.1. Highlighted allergens – indirect method**

1. Edit „Ingredients” submenu of a particular product record on the scales,
2. Using variables for highlighted allergens write ingredients that are specified for a particular product.

**Example:**

{361}Ingredient 1, Ingredient 2, Ingredient 3, Ingredient 4, Ingredient 5,{362}  
{361}Ingredient 6, {362}{360}allergen 1{362}{361}, Ingredient 7,{362}  
{360}allergen 2{362}{361}, Ingredient 8, Ingredient 9, {362}{361}allergen 3{362}  
{360}, Ingredient 10, Ingredient 11{362}

**where:**

{360} - Printer: Highlighted signs [p]  
{361} - Printer: Diacritical signs [p]  
{362} - Printer: Highlighting end

**Caution:**

*In accordance with the above example, variables are to be used when:*

- *Changing diacritical signs to highlighted ones and vice versa,*
  - *Ending each line of product ingredient list.*
3. When designing label, create „Variable” field, using “PI\_b\_850” font (bold) or “PI\_p\_850” font (underlined) and the following variables:

{64:L1}  
{64:L2}  
{64:L3}  
{64:L4}

**Where:**

{64} Product: Ingredients

L – line number

**Caution:**

*In order to use fonts „PI\_b\_850“, „PI\_p\_850“ it is necessary to record them into printer storage (see section 10.3.1 of this manual).*

**15.2. Highlighted allergens – direct method**

1. Create new label project selecting, to do it go to „Printer settings” bookmark and select „**PM – PC850 Multilingual**” code page,

**Caution:**

*Enter submenu of scales program, „SETUP / Devices / Printer / Code page”, and declare code page **850**.*

2. Create „Text” field, go to „Text field settings” and declare a respective font: “PI\_b\_850” (bold) or “PI\_p\_850” (underlined),

**Caution:**

*In order to use fonts „PI\_b\_850“, „PI\_p\_850“ it is necessary to record them into printer storage (see section 10.3.1 of this manual).*

3. In text field write respective ingredients for a particular product, use **B**, U keys intended for support of highlighted allergens (depending on declared font).

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