Avery Weigh-Tronix

PLU Lite

Software for the ZK830

Installation and Operation Instructions

AWT35-501790
Issue AC

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1 Introduction and Installation

This manual covers the installation and use of the PLU Lite software for communication and database management between your ZK830 and a PC. PLU Lite will provide basic Product Look Up (PLU) creation, maintenance, and archiving for the ZK830 database. The editor allows a user to add, subtract and save PLU information while you are not connected to the scale.

PLU lite allows you to automatically activate PLU's by using a scanner attached to the PC or by manually pressing a button to select the currently selected PLU.

1.1 System requirements

Windows 7, Windows 8 or Windows 10

One ZK830 only can operate with this software package via RS232 or Ethernet

Optional USB barcode scanner to connect through PC

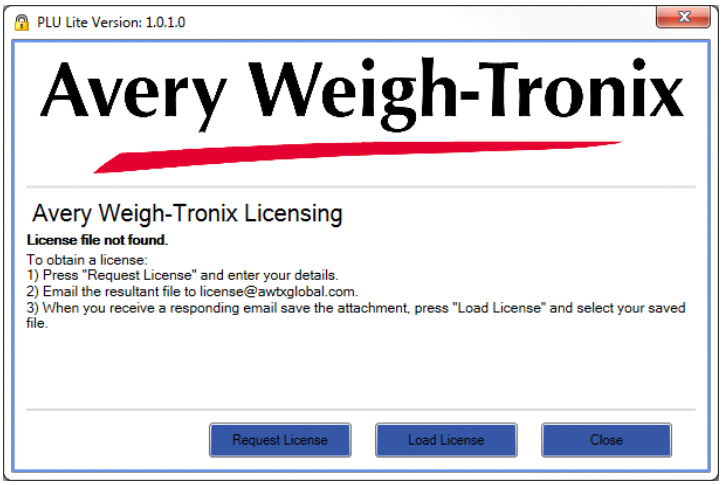
The ZK830 firmware version must be at least 1.1.3.0 or greater

1.2 Start Up

When the PLU Lite application is installed and first powered up, there will be no license found. The user will need to follow the onscreen instructions to request a license from Avery Weigh-Tronix. This license will lock the application to the PC on which the application is installed.

1.3 Licensing

After installation, when the product is run for the first time the following license screen will be shown:



Once completed filling in all the required fields, press **Save to disk** and save the *LicenseInformation.xml file* to the file system. Make sure you know where the file is stored as you will need to send that file to Avery Weigh-Tronix.

Email the file to license@awtxglobal.com

When you receive a license file back from Avery Weigh-Tronix press **Load License** and select the file from the local file system. If the email was sent to a different PC you must manually transfer the file between PCs. If the license file is correct, the PLU Lite program will then start automatically and you should not be prompted for a license file again.

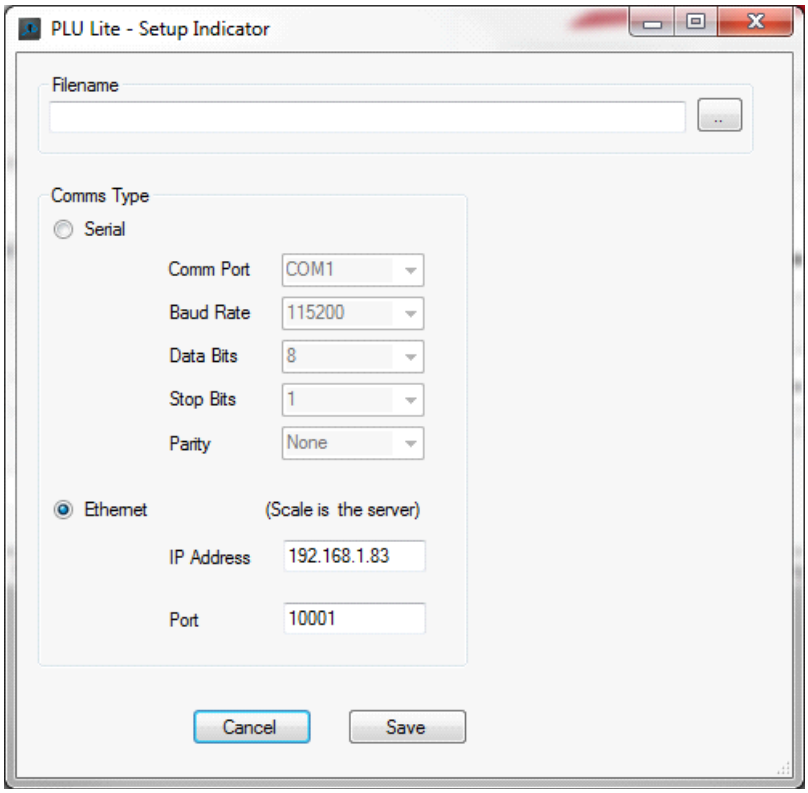
Press **Close** to close the program.

2 Setup and Operation

PLU Lite allows Ethernet or Serial interfaces to be used with the ZK830. Depending on your application, the following ZK830 settings will need to be setup.

2.1 PLU Lite Ethernet setup

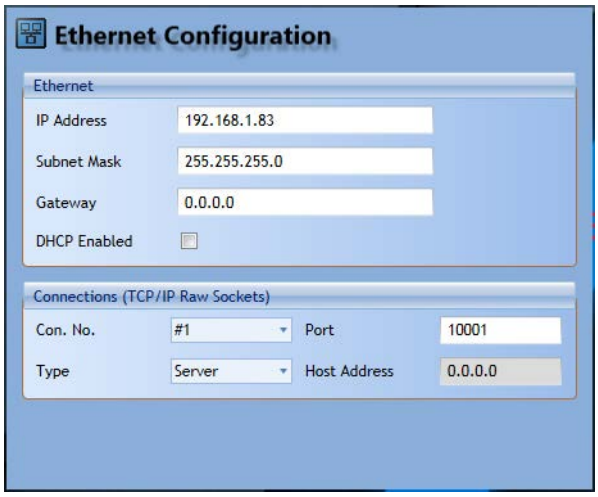
This screen is the first that appears after licensing the software. The ***Setup*** menu allows you to configure the filename and the communications settings.

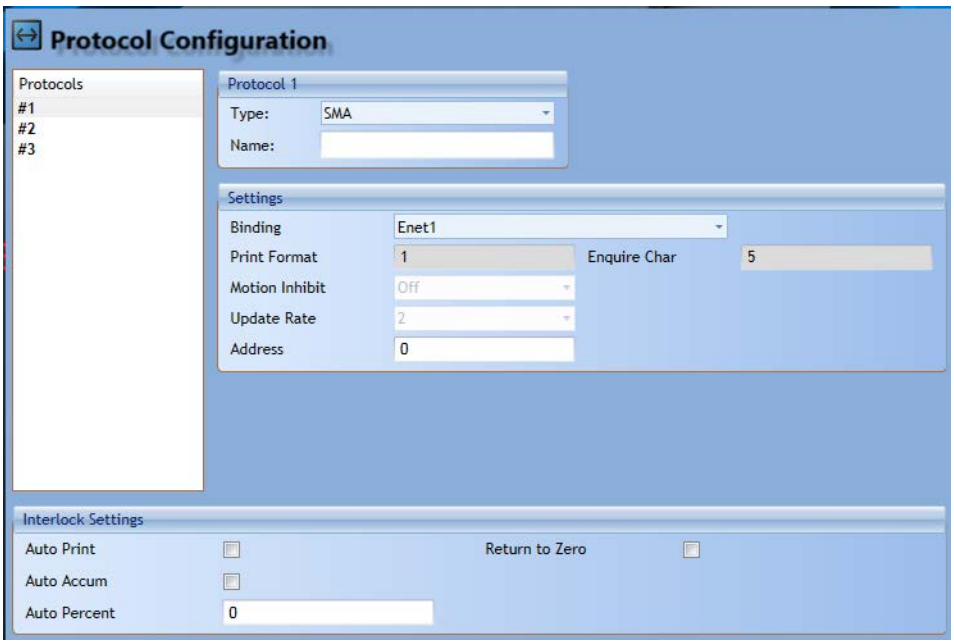


The filename field will be non-editable when an active data filename has been selected.

2.2 ZK830 Ethernet setup

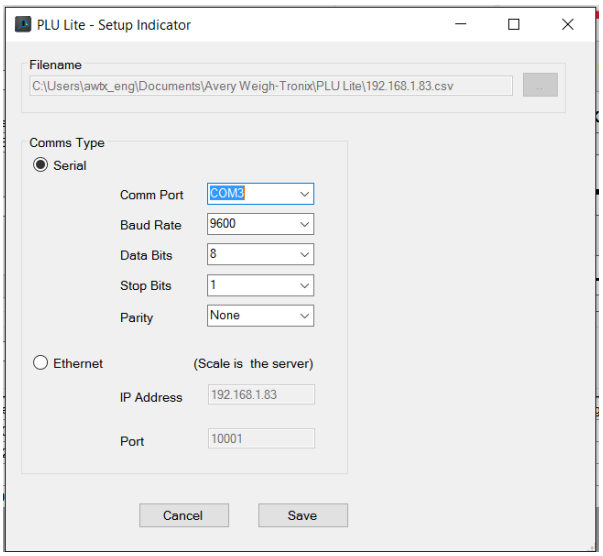
Below are example Ztools screenshots you use to configure the indicator's Ethernet settings.



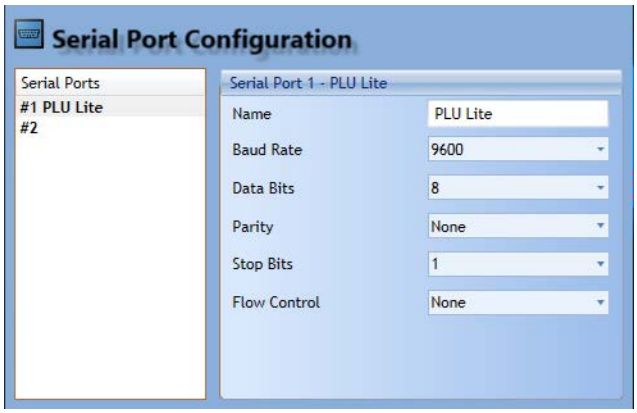


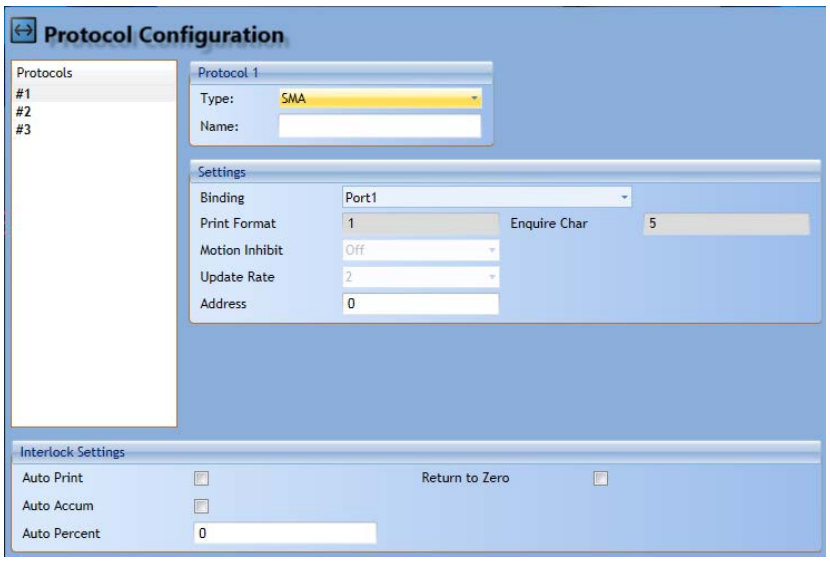
The ZK830 must be configured for SMA protocol on the connected port.

2.3 PLU Serial setup



2.4 ZK830 Serial setup

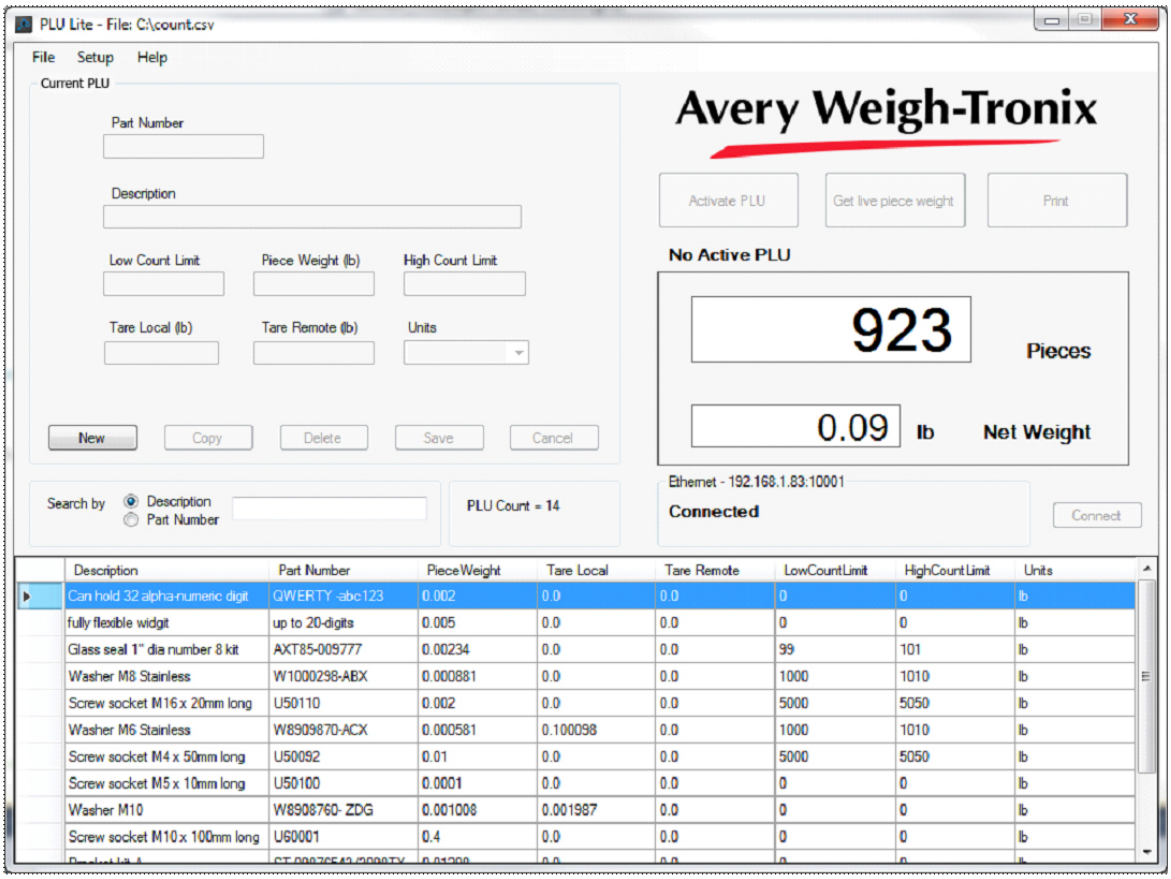




The ZK830 must be configured for SMA protocol on the connected port.

2.5 Operation

This is the main screen of the PLU Lite software:



Live piece weights can be read from the indicator and saved in the database in real time. If you have an active PLU displayed in the Database editor, press **Get live Piece Weight** to transfer the scales piece weight to the displayed PLU's Piece Weight value. Press the **Save** button to store the piece weight.

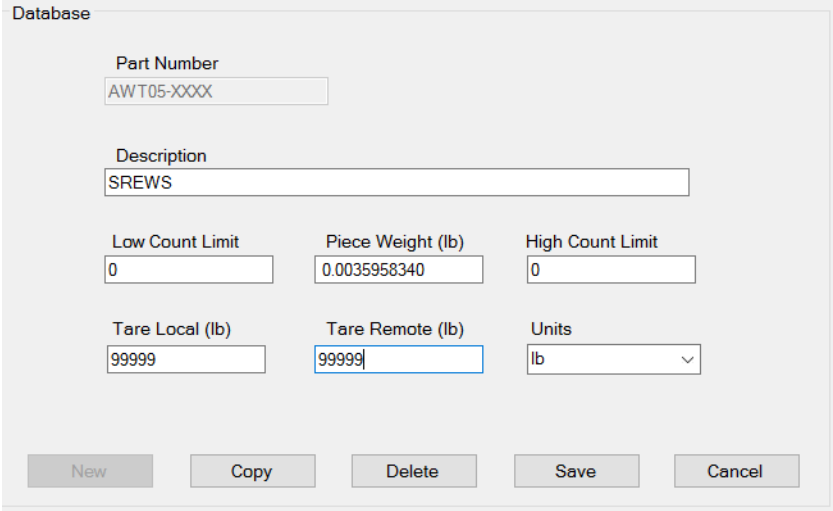
Press the **Print** button to print the live data from the indicator on a suitable printer once correctly configured and connected to the PC. The print data can be programmed via a single print format which is built up using flexible print tokens and free text.

2.5.1 Connect/Disconnect button

Once the ethernet or serial setup configurations are complete, see sections 2.1 through 2.4, you need to connect the software to the scale by pressing the **Connect** button. The button will change to a **Disconnect** button. Use this to disconnect the scale from the software, if necessary.

2.5.2 Adding a PLU

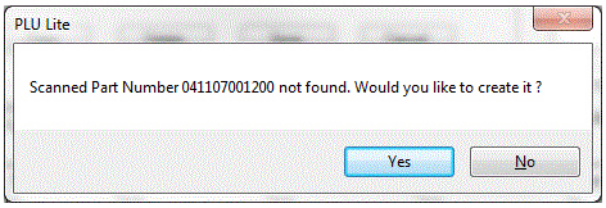
After the file has been created and a ZK830 system has been configured, select the **NEW** button on the database screen to create a new PLU number.



The default tare value of 99999 disables the tare for the current product and when activated uses the tare of the previous product.

*After you have validated that Part number, Description, Unit, Local scale and Remote scale tares have been entered properly, select the **Save** key.*

A part number can also be added by scanning its barcode. If the part number already exists it will automatically be activated but, if it's a new part number, the option of creating a new record in the database will be given. See the window below. Add the details as described above, then press **Save**.



2.5.3 Using the 'Search by' function

Once PLUs are created, you can search for a particular PLU by Part Number or Description. Use the **Search by** function on the main screen. First, select if you want to search by Part Number or Description then begin to type in a Part Number or Description. The database will show any entries that match your search requirements.

*You can put the cursor in the **Search by** box and use the scanner to scan in a part number or description to speed up your search.*

2.5.4 Activating a PLU

Scan the barcode of the required part to activate a PLU on the indicator, or press the **Activate PLU** button once you have selected the part from the main view.

2.5.5 Get Live Piece Weight

Once a PLU is active, press the **Get Live piece weight** button to read the piece weight from the scale and put it in the currently selected PLU's value. You can then elect to Save or Cancel the PLU.

2.5.6 Print

Once a PLU has been activated pressing the **Print** key will send the programmed text to the configured printer or to the screen depending on the printer setup.'

2.6 Menus

2.6.1 FILE

The following menu items can be found under the ***File*** command:

New	Allows you to create a new database.
Open	Allows you to Open an existing CSV file.
Save	Saves the current configuration and data to the hard drive of the PC
Save As	Allows you to save the Database's PLU data as a CSV file.
Exit	Terminates the application

2.6.2 SETUP

The following menu items can be found under the ***Setup*** command:

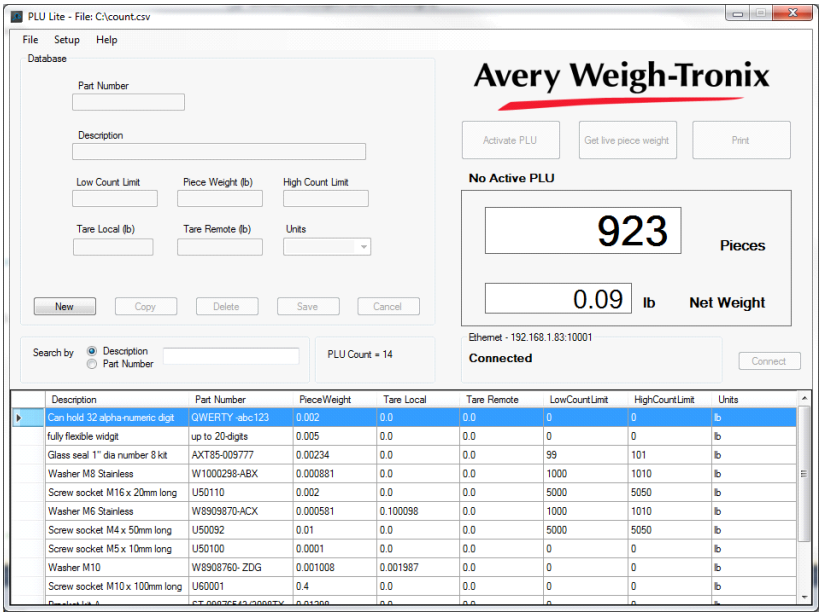
Indicator	Allows you to view or change the settings like IP address, com port of the PC, etc..

Scanner	Allows you to view or change the scanner settings
Printer	Allows you to view or change the printer settings
Print Format	Allows you to program a single print format to be printed when the Print button is pressed
Print Tokens	Allows you to change the print tokens used by the print format

2.6.3 HELP

About Lists the version and End User License Agreement information about the application.

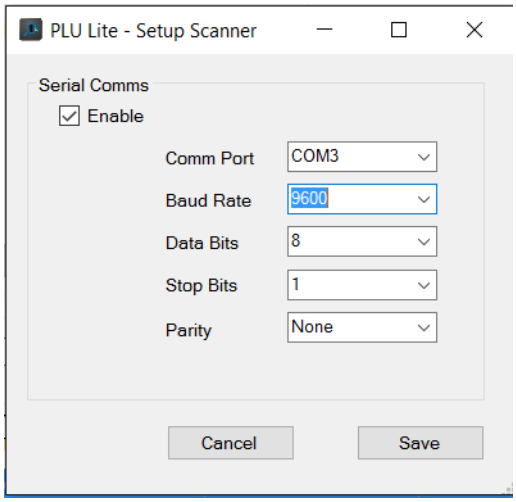
The Screen will look similar to below once you have saved at least 1 PLU:



2.7 Scanner Setup

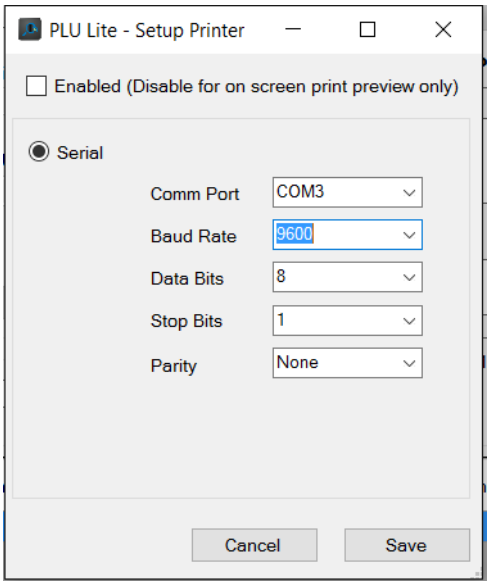
The Scanner Setup menu allows you to configure the serial parameters for the scanner.

The scanner output format is the **Part Number** followed by a CR



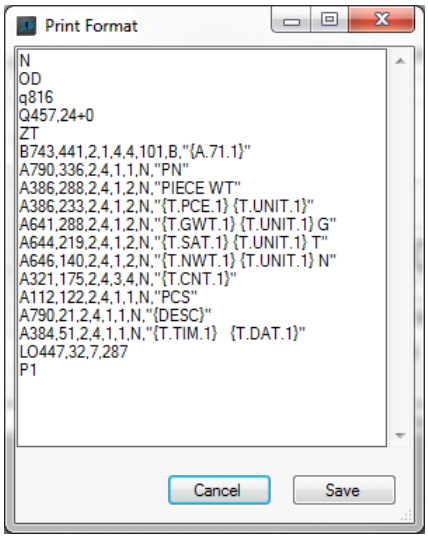
2.8 Printer Setup

The Printer Setup menu allows you to configure the printer.

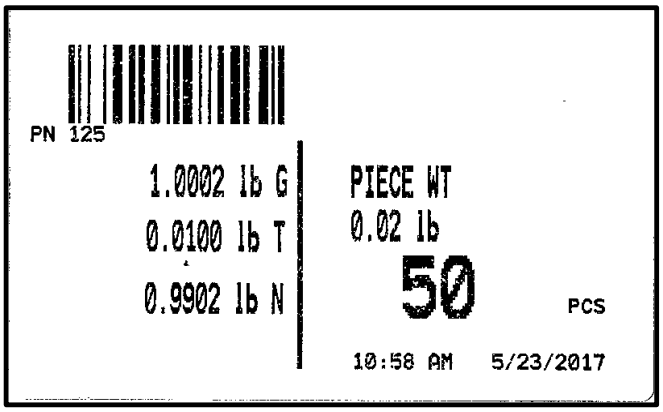


2.9 Print Format Setup

The Print Format Setup menu allows you to program the print format. The example below is for a Zebra GX420t printer.

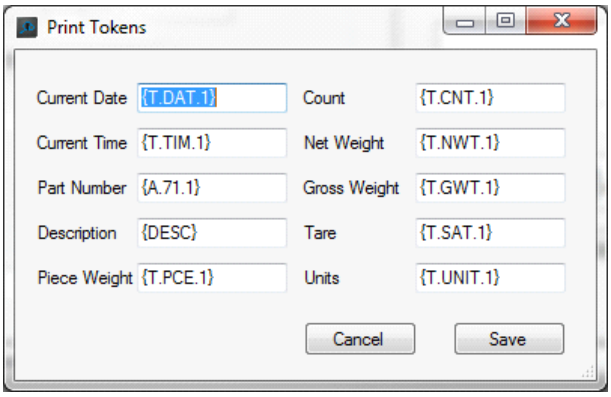


An example label is shown below.



2.10 Print Tokens Setup

The Print tokens setup allows you to configure the print token names that can be used in the print format. The defaults are shown below.



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