Sentinel ScaleTM

Weighing System

Programming Manual

OPTILINK 7.0.0



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SYSTEM REQUIREMENTS

To successfully run this program, your computer will need the minimum following requirements:

- 1) A PC or Laptop computer with a CD Rom drive.
- 2) Windows operating system of at least Windows 98 or better, Windows 2000 or Windows XP Professional edition.
- 3) A Pentium 3 or better processor
- 4) A high resolution monitor
- 5) A mouse
- 6) 8 MB of Ram or better
- 7) 10 MB Hard-disk space or better
- 8) Microsoft Office Suite (MS Word, Excel etc.)

This program is not compatible for network use.

On the mouse there are two buttons, one to the left and one to the right. Most times you'll be using (clicking) the left button. The instructions will tell you which button to click, e.g. the phrase "left click" means click on the left button; "right click" means right click on the right button.

The screen shots (graphics) within this manual are captured using Windows XP and may look different than your screen if you are using an earlier Windows version.



OPTILINK 7.0

INTRODUCTION

The OPTILINK 7.0 is a software program designed for your PC to give you insight into your poultry management systems.

The OPTILINK 7.0 software program enables you to call up via modem or directly to your SENTINEL SCALE BE-SSC-101 on your PC thus allowing you to program, edit and download information about your flocks. This management tool gives you the opportunity to track your flock from start to finish.

Once programmed, the OPTILINK 7.0 will generate graphs which allow you to monitor House Temperatures, Weight Gain, Bird Weighings, Metered Water and much more (depending on what sensors are attached to the BE-SSC-101). By expanding the graphs you can pinpoint with great accuracy any problems that may arise and take corrective action before the problem becomes serious.

User pages can be generated from the data buffers that are continuously collected by the program and printed which gives you numerical information about each house in operation.

GETTING STARTED PERFORMING A NEW INSTALLATION

During the setup process, the **OPTILINK** program will provide information as well as ask you for information. Just follow the instructions and you'll soon be set up and running this program.

- 1. Insert the **OPTILINK** CD into your computer CD drive.
- 2. When this image appears, select English.
- 3. In the space for the CD Code, type in 03 0579.
- 4. Next, left click on the **Install** button. This will start the setup of the program.



The next window is shown below. With your mouse "left click" on the next tab.



Next window, with your mouse "left click" on the yes tab.

Software License Agreement
Please read the following License Agreement. Press the PAGE DOWN key to see the rest of the agreement.
IMPORTANT: H&F ELECTRONICS B.V. issues you with a licence for the enclosed software subject to the condition that you undertake to accept all of the conditions set out in this Licence Agreement. Please make a point of reading these conditions carefully before proceeding with the installation. In clicking on Yes', you indicate that you undertake to accept the conditions set out in the Licence Agreement. If for some reason you cannot accept the conditions set out in the Licence Agreement. If for some reason you cannot accept the conditions set out in the Licence Agreement, click on 'No' to terminate the installation program. In this case H&F ELECTRONICS B.V. is unable to issue you with a licence for the software. To claim a refund for the product you should return the complete product together with the purchase receipt to the dealer from whom you purchased the product within ten days of the date on which you purchased the product. LICENCE AND GUARANTEE:
I Do you accept all the terms of the preceding License Agreement? If you choose No, Setup will close. To install Optilink for Windows, you must accept this agreement
A Back Yes No

Next window, with your mouse "left click" on the **next** tab.

Choose Destination Location		5	W	R	в	С	D	×
	Setup will install Optilink for Windows in the To install to this directory, click Next. To install to a different directory, click Brows You can choose not to install Optilink for Wi Setup. Destination Directory c:\0LinkWin	follov e an ndov	ving o d sele vs by	direct ect ar click	ory. nothe ing C	r dire ance wse	ctory I to e	xit
	< Back N	ext >			(Canc	el	

In this window, **Typical** is the default and no action is required. With your mouse "left click" on the **next** tab.

Setup Type		×
	Click the type of	Setup you prefer, then click Next.
	Typical	Program will be installed with the most common options. Recommended for most users.
	C Compact	Program will be installed with minimum required options.
	C Custom	You may choose the options you want to install. Recommended for advanced users.
	Destination Dir c:\OLinkWin	Browse
		< Back Next > Cancel

In this screen the program is getting ready to build a program folder called **Optilink.** With your mouse, "left click" on the **next** tab.

Select Program Folder	×
	Setup will add program icons to the Program Folder listed below. You may type a new folder name, or select one from the existing Folders list. Click Next to continue. Program Folders: Dptilink Existing Folders: Java 2 Runtime Environment Logitech Logitech MouseWare MGI PhotoSuite 8.06 Microsoft Office Tools Microsoft Office Tools Microsoft Reference MusicMatch Net2Phone
~~~	Netscape 6.2
	<back next=""> Cancel</back>

Start Copying Files	×
	Setup has enough information to start copying the program files. If you want to review or change any settings, click Back. If you are satisfied with the settings, click Next to begin copying files. Current Settings:
	Setup Type: Typical Target Folder c:\OLinkWin
	User Information Name: Company:
	<ul> <li>▼</li> <li>▼</li> </ul>
	< Back Next > Cancel

In this window, with your mouse "left click" on the **next** tab.

In this window, "left click" in the square beside "**Yes, Launch the program file**" Next, "left click" on the **Finish** tab.



This part of the installation setup is almost done.

On your computer desktop, double "left" click on the "My Computer" icon. Open "C" drive. Within the group of folders there is one called "Olinkwin". Double "left" click on the folder and within you'll see the "Optilink" handshake.





"Right" click on the "Optilink" handshake and a dialogue box opens. "Left" click on "Create Shortcut" and a new icon will appear.

CLINKWIN 5/6/04 2:46:26pm

ss 🛅 C:\OLINKWIN File and Folder Tasks

📺 Rename this file

🙆 Move this file

Copy this file

E-mail this file

🔕 Publish this file to the Web

Edit View Favorites Tools Help

🔇 Back 🔹 🕥 – 🏂 🔎 Search 🌔 Folders 🏢 🗸

۲

ADF

HELP

SYSTEM

USERS

_ISREG16.DLL 1.0.0.0

Open

Run as..

Send To

Cut

Сору Create Sho

Delete Rename

Properties

Scan for Viruses...

Pin to Start menu

"Left" click on the new

icon, hold and drag the new icon onto your desktop



this screen shot.

🗙 🄁 Go

"Right" click on the new icon and choose "Rename" Give the icon whatever name you

choose and press "Enter". Now, "Right" click on the icon once more

and choose "Properties"	". A new window appears. The "Target" line
Short Open OPEN Run as Short	ows the following:
Scan for Viruses Pin to Start menu	OI INKWINOPTILINK EXE
Send To	
Cut Copy Text Run as	Tartan Properties SWRBCD?
Paste Scan for Viruses Create Shortcut Pin to Start menu	General Shortcut Compatibility
Rename Send To	Val-Co
Properties Copy	
Delete Rename	Target location: OLINKWIN
Properties	Target: C:\OLINKWIN\OPTILINK.EXE
	Shortcut key: None
CINKWIN	
	Find Target Change Icon Advanced
<u> </u>	
Te Te	Tartan Properties SWRBCD?
	General Shortcut Compatibility
	Val-Co
	Target type: Application
Place the surger right behind EVE and	
Flace the cursor right behind EAE and	Start in: C:\OLINKWIN
click once. Press the Space Bar once	Shortcut key: None
then type in -# (EXE -#). Behind the #	Bun: Normal window
type in a name, usually the farm name.	Comment:
The name cannot be any more than 6	Find Target Change Icon Advanced
letters long, so you may have to	
abbreviate the name So the extension	
may look like this:	
	OK Cancel Apply
	EN 🥢 🎎 3:19 PM
<b>#Tartan</b> "Left" click on the "Apply"	

tab and then "left" click on "OK". The "**Optilink**" program set up is now complete. To open the program, double "left" click on the "Optilink Hand Shake".

In some cases you may have more than one site and this will require the creation of one or more icons to access these sites. Follow the above instructions being sure to give each new site a new name or extension (no more than 6 letters) after the C:\OLINKWIN\OPTILINK.EXE -#

## **Starting OPTILINK**

Because this is your first time with the program, a bit more information is required.

Make sure all other windows are closed. You should be back to your desktop screen. Locate the Optilink icon and double "left click" on the icon to start the program.

The following page will appear.



To set the parameters for your computer, "left click" on the **tool icon** before the computer starts the dialling process.

## **DIRECT SERIAL PORT OPTIONS**

The **Direct Serial Port Options** allows the user to be connected directly to the PC, usually in the same location as the BE-SSC-101.

The program defaults to the **Modem** tab, so for now "left click" on the **Direct** tab. The **9600 Baud** rate is a default setting and must be changed to **38400 Baud** rate. Move the mouse down to the **38400 Baud** circle and "left click" to change it.

Communication Settings / (	ptions 🛛 🔀
Direct Modem	
Speed C 1200 Baud C 2400 Baud C 4800 Baud C 9600 Baud C 19200 Baud C 38400 Baud C 57600 Baud C 115200 Baud	Port Number Com 1 Com 2 Com 3 Com 4 Com 5 Com 6 Com 7 Com 8
Options	a on start up
<u>OK</u> <u>C</u> ance	el <u>H</u> elp

The **Com Port Number** is detected automatically by the computer. If the correct Com port is not detected, then try selecting one of the others that are in bold. If neither of these work, it may be necessary to install a US Robotics modem as well as and extra Serial Port if only one is available on your computer. (Refer to your computer dealer.)

## **MODEM SERIAL PORT OPTIONS**

The **Modem** is used to communicate with the BE-SSC-101 from a remote location. You may have your computer in your house or in another location.

Dial Number     12043445485,,267       Redial Attempts     3       Wait Before Redial     60       Info Terminal     ✓       Choose Modem     Configure Modem	Call preferences
Options	Compression: Enabled
✓ Load saved "dep/page" data on start up	Elow control: Hardware

If this is the case, click on the **Modem** tab.

Type in the site telephone number into the **Dial Number** box. Do not leave spaces between the numbers. If it is a long distance number be sure to include 1 and the area code. If there are 0's in your number, be sure to use **<u>number "0"</u>** and not the letter **"o"**. If you need to dial an extension, add a number of pauses between the phone number and the extension by inserting commas. Each comma represents a small pause. You will have to adjust how many commas you insert based upon how long it takes your phone system to answer.

"Left click" on **Configure Modem;**" the above right box will open. Make sure that the **38400 Baud** (in the red oval above right) is activated.

"Left click" on the Advanced tab. The screen on the next page is opened.

Conexant HDA D110 MDC V.92 Modem Conn ?	*Left click" <b>OK</b> to return to the first modem screen:
General Advanced  Terminal Window  Bring up terminal window before dialing Bring up terminal window after dialing  Hardware Settings Data bits: Parity: Even Stop bits: 1 Modulation: OK Cancel	Communication Settings / Options       Image: Communication Settings / Options         Direct Modem       12043445485,,267         Redial Attempts       3 ♀         Wait Before Redial       60 ♀         Info Terminal       ✓         Choose Modem       Configure Modem         Options       ✓         Load saved "dep/page" data on start up

"Left click" on the scroll bar and change the **Data bits** to **7** and the **Parity** to **Even**.

"Left click" OK again to begin dialling out to the remote BE-SSC-101

You are now dialling into the **OPTILINK** system. Once connected you will be asked for the access codes, which follow on the next few pages.

## **ACCESS CODES**

When the **SENTINEL SCALE BE-SSC-101** was supplied to you, there was an envelope with an access code provided. These codes only have to be entered once. Keep these codes in a safe place along with your installation disks and manuals for future reference if required.

When your computer dials the number you've entered, this screen will appear.



When the number has been successfully dialled, the **Invalid Access Code** box will appear. Be sure to type in the code numbers and letters as exactly seen in you document, otherwise it will be invalid. After the third incorrect attempt, the Optilink will shut down. **NOTE: all 0 are zero, not the letter o** 

Invalid Access Code	×
BASE-MODULE	
Hardware Key	
00.00.08.16.A1.A6	
<u>OK</u> <u>C</u> ancel <u>H</u> elp	

Once the **Base Mode** is in correctly and the program has successfully dialled in, the **VALCO** page will appear. Scroll to the **Settings** tab and "left click".



A drop down menu will appear. Scroll down to the **Access Codes** tab and "left click". The **Access Codes** box will appear. This is where you'll place the required codes.

S Opili ink 7.0,1 Celluk Depatimet Unglans Sonna Tritt Gars weber Lieb	Access Codes	
Christer Chr	Basic Module: wQswY6FJ Graph Module:	
SZ220711103AM If Start Dika-Hanadt O.L. & Optick 7.5.1 (Photor - Window In 9) ? (@@@@@%\@@#./		
<b><u>NOTE</u>:</b> If codes are entered incorrectly the system will not be available for graphing!		

## THE VALCO PAGE

Once you have successfully entered the codes, the Access Codes dialogue boxes will disappear and the VALCO page will appear.



There are several tabs across the top of the page to work with.

OptiLink Department UserPage Settings Print Graphs Window Help

The first one is the **OptiLink** tab. "Left click" on the tab and it will open like this:

🜌 OptiLink 7.0.1						
OptiLink	Department	UserPage	2			
Language						
🔫 Get D	)ata-Buffers	Ctrl+D Ctrl+X				

When you "left click" on the **Get Data-Buffers** tab, a green square appears down in the bottom right hand corner of the page. This means that the data buffers are being down loaded from the BE-SSC-101 to the computer for use when needed. When you "left click" on the **Exit** tab, the program ends.

Next is the **Department** tab. "Left click" on the tab and it will open like this:



When you "left click" on the **Department** tab, the **Open** tab appears. This will open a dialogue box with all of the various departments.

Next is the User Page tab. "Left click" on the tab and it will open like this:

When you "left click" on the **User Page** tab, the **New, Open and Settings** tabs appear. When you "left click" on the **New** tab, a window opens for you to set up a new user page. The **Open** tab lets the print page appear, collects data and then can be printed. The **Settings** tab



allows you to have print options such as the number of print pages per day and from what hour as well as the layout of the page.

Next is the **Settings** tab. "Left click" on the tab and it will open like this:



As you can see, this tab has many options. The first one is the **Password** tab, which allows the user to enter a password to prevent unauthorized people from entering the system. **NOTE: Once you've entered in a password, do not forget it or lose it, as you *will not* be able to get into the system!** Next is the **Access Codes** tab which you've already worked with. Next is the **User Name** tab. This allows you to enter a user

name which further enhances system security.

Next is the **Data-Buffering** tab. This allows you to specify the hours that you want to collect data from.

The next three tabs are the **Skip Start Delay**, **Silent Alarm and the Data-Buffers Loading Progress**. When you "left click" on each one, a check ✓ mark will appear. This allows you to turn these options on or off. The default is off.

Next is the **Print** tab. "Left click" on the tab and it will open like this:



doing.

When you "left click" on the **Settings** tab, you will be able to designate the **Print Setup** for your printer.

Next is the **Tasks** tab. This is a dialogue box telling you what the printer is

Next is the Graphs tab. "Left click" on the tab and it will look like this:



**Start Graph Utility** opens the Graphics Viewer. **Backup Database Directory** lets you specify where you wish to save a backup copy.

Next is the **Window** tab. "Left click" on the tab and it will look like this:



As you can see, this tab has many options. All of these tabs allow you to arrange the various pages on your computer by "left clicking" on any one of them while you are working with the pages. You can work with multiple pages at once, but it can get confusing, but by arranging them to suit your purpose it keeps everything in its proper order.

The last tab is the **Help** tab. "Left click" on the tab and it will look like this:



When you "left click" on the **Contents** tab, a full **help menu** appears that you can scroll through with explanations to guide and help you. The **About** tab is a dialogue box that tells you about the system.

## WORKING WITH SINGLE AND MULTIPLE PAGES

## PAGE 01 GENERAL SETTINGS

Once all of the setup is done, it is time to start working with the **OPTILINK** program.

To get going, "left click" on the **Department** tab and select **Open...** or "left click" the **"Open Page"** icon. The following screen will appear:

🞯 OptiLink 7.0.1			
OptiLink Department UserPage Settings Print	Graphs Window Help		
🗃 🖿 🤜 🔤 📽 🖉			
DEP: 00.00 <dws-20 bird-scale=""> P</dws-20>	PAGE: 01 <general settings=""></general>		
	oad 🖙 Tr 🗅 📤 🔳 😭		
00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit
D1 - GENERAL SETTINGS	01 system	off	
	02 time 03 date 04 year 05 input sustained 06 installation settings	9.01 24.05 2007 yes no	hrs:min dd-mm (da

The screen is divided into two areas; the left side of the screen shows the Department View where you can select which page you wish to view. The pages will be discussed in individual detail in the following sections. The right side of the screen shows the detail view of the page selected in the left side. Values in red are calculations or readings, and are unable to be changed by you. Values in black are user-inputs, changeable by you to adjust the operation of the scale. You can manoeuvre around the page with the mouse, "left clicking" where you want, or with the arrow keys.



The buttons across the top of the Department Window are explained in detail on the following page.

DEP: 00.00 <dws-20 bird-scale=""> PAGE: 01 <general settings=""></general></dws-20>	
🔁 🗗 📮 🗊 🖳 🗶 🕭 <u>B</u> eload 🛱 🏆 🖺 🎒 🗮	
Show/Hide Department View: Opens or closes the left hand screen showing the	pages.
<b>Department Up/Down Buttons</b> : Lets you scroll between multiple scales if more one is present.	than
<b>Page Up/Down Buttons</b> : Move between the various pages within a department, f example from 01 General Settings down to 02 Settings House 1.	or



品(

**Previous/Next Equal Buttons**: Move between similar pages of different scales, letting you quickly compare apples to apples between houses to see how one set of birds compares to another.



**Reload**: Lets you reload the latest information from the scale.

ֆր դր

**The Font Buttons**: Allow you to customize the page by altering the font to make the text look how you wish it to look.

**The Notes Button**: Allows you to enter notes for the department. You press the notes key once to open the notes window, type your note, and then press the notes button again to return to the system.

**The Print Button**: Allows you to print the page you are viewing.

- **The Show/Hide Blank Lines Button**: Lets you clean up the pages you are viewing if they contain too many blank lines.
- **The Help button**: Opens a new window containing a very valuable help file built into the program. It is your first stop for questions you may have about using the system.

## **01 GENERAL SETTINGS**

The **"01 GENERAL SETTINGS"** page is where the **OPTILINK** is linked with the **SENTINEL SCALE** in the poultry house(s). From here you can program the **SENTINEL SCALE** and download the information gathered by the **SENTINEL SCALE** for use within the **OPTILINK** program.

🗳 OptiLink 7.0.1								
OptiLink Department UserPage Settings Print Graphs Window Help								
📓 DEP: 00.00 <dws-20 bird-scale=""> PAGE: 01 <general settings=""></general></dws-20>								
	ad 🛱 7 🗈 🖴 🗮 👔							
00.00 - DWS-20 BIRD-SCALE	Name Value	Unit						
□ • GENERAL SETTINGS     □ • GENERAL SETTINGS     □ ■ 02 • SETTINGS HOUSE 1	01 system off							
10 - INFO HOUSE 1	02 time 9.01	hrs:min						
	03 date 24.05	dd-mm (da						
■ 26-GROWTH LAST 24 HOUR HOUS	04 year 2007							
42 - WEIGHINGS HOUSE 1								
50 - STANDARD DEVIATION HOUSE	05 input sustained yes							
58 - COEFFICIENT OF VARIATION HO	D6 installation settings no							
B 74 STANDARD CURVE HOUSE 1								
99-ALARM								
_								
< >								

#### Line 01 System:

This setting can be changed by double "left clicking" on the box under "**Value**." This opens a drop down bow containing the two choices "**on**" and "**off**." Move the mouse over the selection you want and "left click" to select it.

📓 DEP: 00.00 <dws-20 bird-scale=""> PAGE: 01 <general settings=""></general></dws-20>								
1 2 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1								
🛍 00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit					
01 - GENERAL SETTINGS	01 system	off						
02 - SETTINGS HOUSE 1	-	off						
10 · INFO HOUSE 1	02 time	on	hrs:min					
18 - AVERAGE WEIGHT HOUSE 1     26 - GROWTH LAST 24 HOUR HOUSE	03 date	24.05	dd-mm (da					

#### Line 02 time:

To set or change the time "double left click" on the box under "Value" in **line 02**; in the space provided, change the time and then hit enter and the new time will be activated.

📓 DEP: 00.00 <dws-20 bird-scale=""> PAGE: 01 <general settings=""></general></dws-20>							
12 🗗 🗣 🗳 🔹 🔺 <u>R</u> eload 🛱 12 🖺 🧮 😫							
🛍 00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit				
01 - GENERAL SETTINGS	01 system	off					
02 - SETTINGS HOUSE 1							
10 - INFO HOUSE 1	02 time	10.19 🗢	hrs:min				
	03 date	24.05	dd-mm (da				
26 · GRUWTH LAST 24 HOUR HOUS							

#### Line 03 date:

#### Line 04 year:

These two lines are factory settings and cannot be changed.

#### Line 05 input sustained:

To change the input sustained function "double left click" on the value box for line 05. This will display a drop down menu. Choose yes or no, as appropriate, by "left clicking" your selection.

M DEP: 00.00 <dws-20 bird-scale=""> PAGE: 01 <general settings=""></general></dws-20>								
1/2     □     □     ▲     ▲     Beload     □     □     ■     ■     ■								
00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit					
01 - GENERAL SETTINGS	01 system	off						
02 - SETTINGS HOUSE 1								
	02 time	10.30	hrs:min					
	03 date	24.05	dd-mm (da					
26 GROWTH LAST 24 HOOR HOOS 34 DIFFERENCE TO STANDARD HC	04 year	2007						
■ 42 · WEIGHINGS HOUSE 1								
50 - STANDARD DEVIATION HOUSE	05 input sustained	yes 💌						
58 - COEFFICIENT OF VARIATION HO	06 installation settings	no						
🔤 📴 66 - UNIFORMITY HOUSE 1		yes						
🐘 🖻 74 - STANDARD CURVE HOUSE 1								

#### Line 06 installation settings:

Line 06 is very important because once it is turned on you only have approximately 30 minutes to program the rest of the system before it shuts down.

To change the setting, "double left click" on the **"no"** tab and a drop down menu is displayed. Select "yes" by "left clicking" it.

DEP: 00.00 <dws-20 bird-scale=""> PAGE: 01 <general settings=""></general></dws-20>								
00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit					
01 - GENERAL SETTINGS	01 system	off						
02 - SETTINGS HOUSE 1								
	02 time	10.32	hrs:min					
18 - AVERAGE WEIGHT HUUSE 1	03 date	24.05	dd-mm (da					
	04 year	2007						
34 - DIFFENENCE TO STANDARD RC A2, WEIGHINGS HOUSE 1								
50 - STANDARD DEVIATION HOUSE	05 input sustained	yes						
58 - COEFFICIENT OF VABIATION HO	06 installation settings	no 💌						
66 - UNIFORMITY HOUSE 1		no						
🔤 74 - STANDARD CURVE HOUSE 1		yes						

## **CHANGING DEPARTMENT NUMBER (S)**

The factory default for Department is **99 BE-SSC-101 BIRD – SCALE.** This is normally changed before the BE-SSC-101 is sent out. When there are more than one BE-SSC-101's installed and attached to an BE-SSC-201, then the Department numbers have to be changed. This can only be done on the BE-SSC-101 unit, not via the computer.

To start this process, be sure you are on page "01 GENERAL SETTINGS". Using the **INFO** tab, scroll down to **line "06 installer settings**" and then press the "SETTINGS +" tab once to "1> yes".

Using the "MENU +" tab, scroll down to open page "97 INSTALLER SETTINGS" and line "01 department number". For a stand alone BE-SSC-101 this must be set to "0". By pressing the "+ or – SETTINGS tab" to set the required department number. If more than one BE-SSC-101 is used in an installation, then each BE-SSC-101 will be assigned a department number. Be sure to turn the BE-SSC-101 off and then on again for this to take effect.

## **CHANGING BAUD RATE (SPEED)**

The Baud Rate is a factory default of **"38400 bps"** and normally this is left at this speed. There may be times when this has to be changed and again this can only be done on the BE-SSC-101 unit.

To start this process, when instructed to change the bps rate, go to page "01 GENERAL SETTINGS". Using the INFO tab, scroll down to line "06 installer settings" and then press the "SETTINGS +" tab once to "1> yes".

Using the "MENU +" tab, scroll down to open page " 97 INSTALLER SETTINGS" and line "02 speed com 1" then press the "+ or – SETTINGS tab" to go to the instructed bps setting.

## PAGE 97 – INSTALLER SETTINGS

Now that you've turned the installation settings on to "yes", it would be a good idea to have two pages open and on the screen at the same time. You should already have the 01 GENERAL SETTINGS page open. Now you are going to be opening page 97 INSTALLER SETTINGS.

Before page **97 INSTALLER SETTINGS** will display, you must first reload the screen by "left clicking" the **Reload** button (Refer to page 19). The left side department screen will now show page **97** as an option.

To have multiple pages open and on the screen at the same time, place your cursor on the "Open Department" icon (refer to page 18) and "left click" the icon to open a new window. In the second window, select page 97 INSTALLER SETTINGS. Scroll up to the tool bar at the top of the page and "left click" on "Window". A dialogue box will appear with some options. "Left click" on Tile Vertical. Both pages will be centered on the page and both can be worked on. Remember that the installation setting is only operational for approximately 30 minutes.



Because this is your first time on the system, it may take you longer to put in the required information. If the time runs out, page 97 will disappear, but all you have to do is go to **line 06 GENERAL SETTINGS** and change the setting back to **"yes"** and reload page 97.

2 🖿 🦷 🚾 👔 🏩 🛐						
DEP: 00.00 <dws-20 bird-scale=""> P</dws-20>	AGE: 97 <insta< th=""><th>LLER SETTINGS&gt;</th><th></th><th>DEP: 00.00 <dws-20 bird-scale=""> F</dws-20></th><th>AGE: 01 <general settings=""></general></th><th></th></insta<>	LLER SETTINGS>		DEP: 00.00 <dws-20 bird-scale=""> F</dws-20>	AGE: 01 <general settings=""></general>	
12 🗗 🗣 📴 🖊 🗯 📥 🛛 Belo	ad 🛱 Tr	B & = 8		1 🕂 1 🖬 🗣 🖡 🔺 🔒 Bek	ad 🛱 Tr 🗈 🙇 🔳 😭	
Name	Value	Unit	^	00.00 - DWS-20 BIRD-SCALE	Name	Value 1
01 department number	0			01 · GENERAL SETTINGS	01 system	off
				— M 02 - SETTINGS HOUSE 1		
02 speed COH-1	38400 bps			10 - INFU HOUSE 1	02 time	11.39
03 function COM-1	Optilink			B 25. GROWTH LAST 24 HOUR HOUSE	03 date	24.05
04 speed COM-2	38400 bps			34 - DIFFEBENCE TO STANDABD HC	04 year	2007
05 function COH-2	Optilink			42 · WEIGHINGS HOUSE 1	_	
_				-  ■ 50 - STANDARD DEVIATION HOUSE	05 input sustained	yes
06 language DWS-20 display	English			- 🗎 58 - COEFFICIENT OF VARIATION HO	06 installation settings	yes
07 selection language DWS-20	internal			66 · UNIFORMITY HOUSE 1		
				74 - STANDARD CURVE HOUSE 1		
09 veight measurement	lbs			97 - INSTALLER SETTINGS		
10 selection weight measurement	internal			·····································		
12 temperature measurement	Fahrenheit			-		
13 selection temperature meas	internal					
15 volume measurement	gallon(us)					
16 selection volume measurement	internal					
18 number of houses	1					
19 scale 1	not conne					
21 scale 2	not conne					
23 scale 3	not conne					
25 scale 4	not conne					
35 temperature sensor 1	not conne					
38 temperature sensor 2	not conne					
41 temperature sensor 3	not conne					
44 temperature sensor 4	not conne					
47 function input 1	not conne					
49 function input 2	not conne					
51 function input 3	not conne					

Both pages are now centered and workable on the screen.

Once open, page **97 INSTALLER SETTINGS** will look like this. Here information is input to activate the scales, water meters, temperature sensors etc.

Click on	to open to a full page view. Click on	to revert back to a split
screen		

01 Displays the number the BE-SSC-101 has in the communication loop.

The factory setting is "0" with a stand alone BE-SSC-101 connected. If two or more BE-SSC-101 communication via BE-SSC-201 interface will require the department number to be changed e.g.: Dept 1 and Dept 2 etc. If you have changed the department number you have to switch off the power. After 15 seconds turn the BE-SSC-101 on.

The settings 02-05 are only available in the stand-alone mode of the BE-SSC-101.

- 02 Factory setting is 38400 baud
- 03 Factory setting is OPTILINK

#### <u>Function 04 and 05 will only be available if you have 2 COM-30 PCB in your BE-</u> <u>SSC-101</u>

- 04 Factory setting is 38400 baud
- 05 Factory setting is OPTILINK

🜌 OptiLink 7.0.1 - [DEP: 00.00 <dws-20 biri<="" th=""><th>-SCALE&gt; PAGE: 97 <installer se<="" th=""><th>TTINGS &gt;]</th><th></th></installer></th></dws-20>	-SCALE> PAGE: 97 <installer se<="" th=""><th>TTINGS &gt;]</th><th></th></installer>	TTINGS >]	
📓 OptiLink Department UserPage Settings Print	Graphs Window Help		
😂 🛅 🤜 🔤 🗳 🛐			
R C Reload	ባት ት 🖻 📑 📑		
mm 🛱 00.00 - DWS-20 BIRD-SCALE Name		Value	Unit
01 - GENERAL SETTINGS	department number	0	
B 10 INFO HOUSE 1			
	speed COM-1	38400 bps	
	function COM-1	Optilink	
	speed COM-2	38400 bps	
B 42 WEIGHINGS HOUSE 1	function COM-2	Optilink	
50 - STANDARD DEVIATION HOUSE			
58 - COEFFICIENT OF VARIATION HO	language DWS-20 display	English	
🕒 🛅 66 - UNIFORMITY HOUSE 1	selection language DWS-20	internal 🗾	
🛅 74 - STANDARD CURVE HOUSE 1		internal	
97 - INSTALLER SETTINGS	weight measurement	external	
🔤 🥵 - INSTALLER SETTINGS CALIBRA 🚺 10	selection weight measurement	internal	

- 06 Select the language to be displayed on the BE-SSC-101.
- 07 Selection language display : Internal: used in a single BE-SSC-101 installation
   External: used in a multiple BE-SSC-101 installation, connected to a BE-SSC-201
- **08** Address language display please select the address. The address consists of department number: page number: **line** number. (dd pp ll) For the BE-SSC-201 the address is department 00 page 01 **line** 06 (00 01 06)

🖻 74 - STANDARD CURVE HOUSE 1			
	09 weight measurement	lbs	
98 - INSTALLER SETTINGS CALIBRA	10 selection weight measurement	internal	
🔤 99 - ALARM			
	12 temperature measurement	Fahrenheit	
	13 selection temperature meas	internal	
	15 volume measurement	gallon(us)	
	16 selection volume measurement	internal	

- 09 Select the weight measurement: Grams/pounds
- 10 Selection weight measurement: Internal: used in a single BE-SSC-101 installation External: used in a multiple unit installation.
- **11** Address weight display this setting is automatically chosen by the BE-SSC-101 with external setting above.
- 12 Select the temperature measurement: Celsius/Fahrenheit
- 13 Selection temperature measurement: Internal: used in a single BE-SSC-101 installation External: used in a multiple unit installation.
- **14** Address temperature display this setting is automatically chosen by the BE-SSC-101 with external setting above.
- 15 Select the volume measurement: Litre/Gallon US/Gallon UK
- 16 Selection volume measurement:Internal: used in a single BE-SSC-101 installationExternal: used in a multiple unit installation.
- **17** Address volume display this setting is automatically chosen by the BE-SSC-101 with external setting above.

18 number of houses	1
19 scale 1	not conne
21 scale 2	not conne
23 scale 3	not conne
25 scale 4	not conne

18 Enter the number of houses you want to work with. (maximum is 4)

- **19** Select <u>connected</u> if a scale is connected or <u>not connected</u> if the scale is not connected.
- 20 This line shows the actual weight on the scale if calibrated.
- **21** /23/25 see line 19.
- **22** /24/26 see **line** 20.

35 temperature	sensor l	not conne	
38 temperature	sensor 2	not conne	
41 temperature	sensor 3	not conne	
44 temperature	sensor 4	not conne	

- 35 Select <u>connected</u> if a temperature probe is connected or <u>not connected</u> if the temperature is not connected.
- 36 This line shows the actual temperature of sensor 1
- 37 With the function you can adjust the temperature sensor 1 -- plus/minus 1 degree
- 38 /41/44 see line 35.
- 39 /42/45 see line 36.
- 40 /43/46 see line 37.

47	function	input	l	not	conne		
49	function	input	2	not	conne		
51	function	input	з	not	conne		
53	function	input	4	not	conne		
55	function	input	5	not	conne		
57	function	input	6	not	conne		
59	function	input	7	not	conne		
61	function	input	8	not	conne		
63	use DWS-20 clock				yes		
64	date				24.05	dd-mm	(da
65	year				2007		
66	real-time clock				on		

There are 8 input ports 46-61 that can be designated either water or feed input counters.

- 44 Select the function for input 1: not connected/water counter/ feed counter
- 45 Enter how many litres or kg one input pulse represents.
- 49 /51/53/55/57/59/61 see **line** 47.
- 50 /52/54/56/58/60/62 see line 48.
- 63 Select if you want the BE-SSC-101 to use the <u>internal</u> or <u>external</u> (BE-SSC-201) clock.
- 64 Enter the current date.
- 65 Enter the current year.
- 66 Real time clock <u>on</u> ( If you power up the system real time clock will be switched on.)

## SCALE CALIBRATION PROCEDURE

Prior to Calibration, certain installer settings steps need to be followed. Some of these settings may have already been done but we are presenting this material to you on a step by step basis.

The scales must be calibrated in order to start the weighing process. Scale accuracy depends on accurate calibration of the scales with the process being user-friendly.

We recommend calibration of the scales prior to each flock.

Go to **01 General Settings, line 01.** Ensure that the system is turned on.

DEP: 00.00 <dws-20 bird-scale=""> PAGE: 01 <general settings=""></general></dws-20>					
B     C1     <					
00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit		
01 - GENERAL SETTINGS	01 system	off			
02 - SETTINGS HOUSE 1					
	02 time	10.32	hrs:min		
	03 date	24.05	dd-mm (da		
	04 year	2007			
34 · DIFFERENCE TO STANDARD HC A2 · WEIGHINGS HOUSE 1					
50 - STANDABD DEVIATION HOUSE	05 input sustained	yes			
■ 58 - COEFFICIENT OF VARIATION HO	06 installation settings	no 💌			
■ 66 · UNIFORMITY HOUSE 1		no			
74 - STANDARD CURVE HOUSE 1		yes			

To change the setting, "double left click" on the **"no"** tab and a drop down menu is displayed. Select "yes" by "left clicking" it.

You have approximately 30 minutes before this function reverts back to **no.** If it does shut down while performing the calibration, go back and turn it back on again.

## **INSTALLER SETTINGS – PAGE 97 Put Required Scales Into Operation as Follows:**

Go to **97 Installer settings** and scroll down to **Line 09 weight measurement** and select **grams** or **lbs**. This is a one time only operation.

Line 19 scale 1 should indicate that scale 1 is connected. If it isn't, double "left click" on **not connected** to open the drop down menu and "left click" on **connected**. Repeat for scales 2, 3 & 4 if these are being used.



Open **Page 02 Settings House 1** and scroll down to **Line 13, scale 1 - not active**. Double "left click" click on **not active** to open the drop down menu and "left click" on **active**.

🌌 OptiLink 7.0.1 - [DEP: 00.00 <dws-20 bird-scale=""> PAGE: 02 <settings 1="" house="">]</settings></dws-20>						
📓 OptiLink Department UserPage Settings	🏙 OptiLink Department UserPage Settings Print Graphs Window Help					
😅 🖿 🤜 🔤 🔮 📣 📗						
	ad 🛱 17 🗈 📤 🗮 😭					
🛱 00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit			
O1 - GENERAL SETTINGS	01 mode	off				
	02 flock id	0				
	03 start age birds	0	days			
34 - DIFFERENCE TO STANDARD HC	04 start weight birds	0.055	lbs			
42 - WEIGHINGS HOUSE 1	05 time offset curves	12	hours			
🔤 🛅 50 - STANDARD DEVIATION HOUSE	06 bandwidth uniformity	10	\$			
58 - COEFFICIENT OF VARIATION HO	07 select bird type	broilers				
66 - UNIFORMITY HOUSE 1						
74 - STANDARD CURVE HOUSE 1	08 start new flock	no				
97 - INSTALLER SETTINGS	00 bind algorithm		la é su d'a			
B 99. ALADM	09 bird placement	0	birds			
SS ALAIM	13 scale 1	not active				
	10 State 1	not active	1			
		active				

Activate each scale required to the respective house*.

*You can activate more than one scale to a house and they will work together to average the bird's weight.

## **CALIBRATION – PAGE 98**

Open **page 98 Installer Settings Calibration** and scroll down to **line 01.** Double "left click" on **off** to display the drop down menu and "left click" **on.** 

📽 OptiLink 7.0.1 - [DEP: 00.00 <dws-2< th=""><th>0 BIRD-SCALE&gt; PAGE: 98 <installer se<="" th=""><th>TTINGS CALIBRA</th><th>TION&gt;]</th></installer></th></dws-2<>	0 BIRD-SCALE> PAGE: 98 <installer se<="" th=""><th>TTINGS CALIBRA</th><th>TION&gt;]</th></installer>	TTINGS CALIBRA	TION>]
📓 OptiLink Department UserPage Settings	Print Graphs Window Help		
🛎 🛅 🤜 🔟			
1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	ad 🛱 Tr 🗈 📇 📑 👔		
00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit
O1 - GENERAL SETTINGS	01 calibration	off 🗾 🔻	
		off	
	10 calibration weight scale 1	on	lbs
	18 actual weight scale 1	0.000	lbs
34* DIFFENENCE TO STANDARD HC A2. WEIGHINGS HOUSE 1	19 minimum numbers of weighin	25	
50 - STANDARD DEVIATION HOUSE	20 maximum difference measure	10	pulses
58 - COEFFICIENT OF VABIATION HO	21 low frequency scale 1	0	Hz
66 - UNIFORMITY HOUSE 1	22 high freqency scale 1	0	Hz
🗎 74 - STANDARD CURVE HOUSE 1			
97 - INSTALLER SETTINGS			
🔤 99 - ALARM			

Scroll down to **line 10 calibration weight.** Double "left click" to open the dialogue box. Enter the calibration weight to be used and press enter.

#### Scroll down to line 02 mode, scale 1.



Double "left click" on the **off** tab to open the drop down menu. "Left click" on **low calibration**. When **low calibration** changes to **place calibration weight**, have someone place the calibration weight onto the scale. Make sure that the scale is not moving. Then click on **high calibration**. The display will revert back to **off** indicating that the procedure for scale 1 is complete.

To be sure that the calibration sequence was successful, scroll down to calibration weight, **line 18.** There will be some fluctuation of weight + or - from "0". This is normal. This line will show the actual weight on the scale and should be **30 lbs** if you are using the 30 lb weight. Scroll down to lines 21, low frequency and line 22, high frequency. There should be an approximate difference of 15,000 to 20,000 Hz between the two. Scale 1 is now calibrated. If more than one scale is required, repeat this process for each one.

ቖ OptiLink 7.0.1 - [DEP: 00.00 <dws-2< th=""><th>0 BIRD-SCALE&gt; PAGE: 98 <installer s<="" th=""><th>ETTINGS CALIBRATION&gt;]</th></installer></th></dws-2<>	0 BIRD-SCALE> PAGE: 98 <installer s<="" th=""><th>ETTINGS CALIBRATION&gt;]</th></installer>	ETTINGS CALIBRATION>]
📓 OptiLink Department UserPage Settings	Print Graphs Window Help	
🖻 🖿 🧧 🔟 👔 🕼		
	ad 🛱 Tr 🗈 📇 📑 👔	
00.00 - DWS-20 BIRD-SCALE	Name	Value Unit
O1 - GENERAL SETTINGS	01 calibration	on
	02 mode scale 1	off
34 - DIFFEBENCE TO STANDARD HC	10 calibration weight scale 1	60.000 lbs
42 - WEIGHINGS HOUSE 1		
🕒 🛅 50 - STANDARD DEVIATION HOUSE	18 actual weight scale 1	⁰ 0.000 lbs
58 - COEFFICIENT OF VARIATION HO	19 minimum numbers of weighin	25
🔤 🖻 66 - UNIFORMITY HOUSE 1	20 maximum difference measure	10 pulses
🔤 74 - STANDARD CURVE HOUSE 1	21 low frequency scale 1	0 Hz
97 - INSTALLER SETTINGS	22 high freqency scale l	0 Hz
📖 🖻 99 - ALARM		
	1	

**TROUBLE SHOOTING:** If at step 8 the calibration hangs up on **"empty scale"** & will not advance to **"put weight"** then the BE-SSC-101 is not communicating with the load cell for the scale you are trying to calibrate.

- 1. Check all wire connections (BE-SSC-101 & Load Cell) for crossed wires.
- 2. Check the BE-SSC-101 & load cell to make sure that the red light is on.
- 3. If the red light(s) are not on, there is a short in one of the load cell wires. Undo the load cell wires and reconnect properly.
- 4. In the event the calibration sequence was interrupted or an error occurred, then go back to **line 01** and turn it off. Turn it back on as this resets the system and start over.

## STARTING A NEW FLOCK PAGE 02 SETTINGS HOUSE 1-4

You are now at the stage to start your house(s). This is an important step which leads into the graphing.

In the left side of the screen, "left click" on **02 SETTINGS HOUSE 1.** The following should be displayed:

🌌 OptiLink 7.0.1 - [DEP: 00.00 <dws-20 th=""  <=""><th>BIRD-SCALE&gt; PAGE: 02 <settings ho<="" th=""><th>USE 1 &gt;]</th><th></th></settings></th></dws-20>	BIRD-SCALE> PAGE: 02 <settings ho<="" th=""><th>USE 1 &gt;]</th><th></th></settings>	USE 1 >]	
猶 OptiLink Department UserPage Settings Pri	int Graphs Window Help		
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🔁 🗗 🗣 📑 🗣 🔺 🔒 <u>R</u> eload	Ge Te B 👌 ≡ 📑		
00.00 - DWS-20 BIRD-SCALE	Jame	Value	Unit
O1 - GENERAL SETTINGS	01 mode	off	
D2 - SETTINGS HOUSE 1			
	02 flock id	0	
	03 start age birds	0	days
	04 start weight birds	0.055	lbs
■ 34 · DIFFERENCE TO STANDARD HO	05 time offset curves	12	hours
	06 bandwidth uniformity	10	\$
	07 select bird type	broilers	
74 - STANDARD CUBVE HOUSE 1	08 start new flock	no	
97 - INSTALLER SETTINGS			
98 - INSTALLER SETTINGS CALIBRA	09 bird placement	0	birds
99-ALARM	-		
	13 scale 1	active	

Line 01 mode—leave off for now! It will be turned on between lines 08 and 09.

**Line 02 flock id** is where you give your flock an identification number. It will not accept letters. "Double left click" on the value box for flock id. When it is open, it will be blank. Type in the number(s) that you want as your flock id and press enter.

00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit
O1 - GENERAL SETTINGS	01 mode	off	
	-		
<ul> <li>□ 10 - INFO HOUSE 1</li> <li>□ 18 - AVERAGE WEIGHT HOUSE 1</li> <li>□ 26 - GROWTH LAST 24 HOUR HOUS</li> <li>□ 34 - DIFFERENCE TO STANDARD HC</li> <li>□ 42 - WEIGHINGS HOUSE 1</li> </ul>	02 flock id	5230 🚖	
	03 start age birds	0	days
	04 start weight birds	0.055	lbs
	05 time offset curves	12	hours
50 - STANDARD DEVIATION HOUSE	06 bandwidth uniformity	10	\$

In this illustration, the flock id was 5230

Line 03 start age birds: This line is defaulted to "0" as the day that the flock arrives is usually considered "day 0".

There are times when the flock is not started when they arrive and then the number of days from the time they arrive to the start day will be entered here by "double left clicking" to open the dialogue box and entering the appropriate numbers. Press enter.

Line 04 start weight birds is where you enter the start weight of your birds. Use the data sheets given to you by your bird supplier as this number may vary depending on the breed of bird. "Double left click" to open the dialogue box and enter the appropriate numbers and then press enter

00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit
01 - GENERAL SETTINGS	01 mode	off	
02 - SETTINGS HOUSE 1			
10 - INFO HOUSE 1	02 flock id	5230	
	03 start age birds	0	days
26 · GROWTH LAST 24 HOUR HOUS 34 · DIFFEBENCE TO STANDABD HO	04 start weight birds	0.055 🚖	lbs
	05 time offset curves	12	hours
	06 bandwidth uniformity	10	\$
■ 58 - COEFFICIENT OF VARIATION HO	07 select bird type	broilers	

Line 05 time offset curves and line "06 bandwidth uniformity" are defaults and no action is required.

Line 07 select bird type is where you select the type of birds you have. "Double left click" to open the dialogue box and "left click" on the type of bird.

Init
lavs
bs
nours
 1
irde
,11ds
lays .bs tours tours

Line 08 start new flock is very important. All of the above information must be entered before and correctly before this function takes place. Once all of the information is entered correctly, "double left click" on the line to open the drop down menu and "left click on "yes." In a few seconds "yes" will revert back to "no". This is supposed to happen.

_ <b>B</b>	50 - STANDARD DEVIATION HOUSE	07 select bird type	broilers	
B	58 - COEFFICIENT OF VARIATION HO			
🗈	66 - UNIFORMITY HOUSE 1	08 start new flock	no 💌	
🗈	74 - STANDARD CURVE HOUSE 1		no	
🗈	97 - INSTALLER SETTINGS	09 bird placement	yes	birds
🗈	98 - INSTALLER SETTINGS CALIBRA			
B	99-616RM			

Now proceed with the rest of the information input.

For the graphing to work, **line 01 mode** must be turned **on**. If it is **off**, "double left click" on the **line** to get the drop down menu and "left click" on the **"on"** selection.

00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit
01 - GENERAL SETTINGS	01 mode	off 🗾 👻	
02 - SETTINGS HOUSE 1		off	
10 · INFO HOUSE 1	02 flock id	on	
18 - AVERAGE WEIGHT HUUSE 1	03 start age birds	0	days
	04 start weight birds	0.055	lbs
B 49 USIONNOS USUSE 4	05 time offset curves	12	hours

**Line 09 bird placement** is where you input the number of birds in the flock for this house. "Double left click" on the **line** to open the dialogue box and enter the number of birds and press enter. In this case there were 19000 birds in House 1.

📟 🗐 58 - CUEFFICIENT OF VARIATION HU			
🔤 🛅 66 - UNIFORMITY HOUSE 1	08 start new flock	no	
74 - STANDARD CURVE HOUSE 1			
97 - INSTALLER SETTINGS	09 bird placement	19000	birds
🔤 🧧 98 - INSTALLER SETTINGS CALIBRA			
🖻 99 - ALARM			

Line 10 dead birds is where you enter the number of dead birds on a regular basis. . "Double left click" on the line to open the dialogue box and enter the number of birds and press enter.

🔤 🛅 74 - STANDARD CURVE HOUSE 1			
97 - INSTALLER SETTINGS	09 bird placement	19000	birds
🔤 🗎 98 - INSTALLER SETTINGS CALIBRA	10 dead birds	10 🚖	birds

**IMPORTANT:** See NOTE on the following page!

#### **TRANSFERRING BIRDS BETWEEN HOUSES**

To continue he flow of information when a house is transferred into another house it is important that the flock ID remains the same and that the scale in the house that the birds are moved from is turned off and the scales in the transfer houses are turned on and the house(s) are started.

#### **<u>Original Setting:</u>** (Starting your flock)

House1 Flock ID # 101 } always stays the same and follows the birds'/flock to the end. Scale #1

Birds are split and transferred to other barns/houses:

Turn Scale 1 "off"

House 1 Flock ID #101 Scale 2 "on"

 $\rightarrow$  if more than one barn is filled from the brooder complex, subsequent barns need to be started as a new flock

House 2 Flock ID #101 Scale 3 "on"

## LOAD CURVES 74-76-78-80 HOUSE 1-4

In order for the graph to function, information must be put into the Page **74 STANDARD CURVE HOUSE 1.** You are given a weight chart from your poultry supplier. The information from that sheet will be placed into the computer on this page in three day intervals.

"Left click" on **line 74 STANDARD CURVE HOUSE 1** in the left side of the screen. The following screen should be displayed:

00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit	
🔤 01 - GENERAL SETTINGS	01 name	Nicholas		
02 - SETTINGS HOUSE 1				
10-INFO HOUSE 1	02 edit curve	off		
18 - AVERAGE WEIGHT HUUSE 1	03 load curve	user curve l		
	04 save to	user curve l		
	05 execute	off		
	06 age 0	0	days	
66 - UNIFORMITY HOUSE 1	07 weight 0	0.106	lbs	
	08 age 1	7	days	
97 - INSTALLER SETTINGS	09 weight 1	0.287	lbs	
🔤 📴 98 - INSTALLER SETTINGS CALIBRA	10 age 2	14	days	
🖻 99 - ALARM	ll weight 2	0.904	lbs	
	12 age 3	21	days	
	13 weight 3	1,609	lbs	
	14 age 4	28	days	
	15 weight 4	2.557	lbs	
	l6 age 5	35	days	
	17 weight 5	3.704	lbs	
	18 age 6	42	days	
	19 weight 6	5.093	lbs	
	20 age 7	49	days	
	21 weight 7	6.724	lbs	
	22 age 8	56	days	
	23 weight 8	8.576	lbs	
	24 age 9	63	davs	

The following describes how to load a standard curve already on the system which may be applicable to your breed type:

"Double left click" on **line 02 edit curve.** The drop down menu opens. "Left click" to choose **"load standard curve".** 

00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit
O1 - GENERAL SETTINGS	01 name	Nicholas	
	02 edit curve	off 📃 💌	
	03 load curve	off	
34 - DIFFERENCE TO STANDARD HC	04 save to	on load standard ourve	
■ 42 · WEIGHINGS HOUSE 1	05 execute	save standard to use	
🔤 🛅 50 - STANDARD DEVIATION HOUSE			
🔤 🛅 58 - COEFFICIENT OF VARIATION HO	06 age 0	0	days
	07 weight 0	0.106	lbs

"Double left click" on **line 03 load curve.** The drop down menu opens. There are many to choose from. Choose what is applicable to you, as an example "EU Ross 308 broiler as-hatched".

00.00 - DWS-20 BIRD-SCALE	Name	Value Ur.
01 - GENERAL SETTINGS	01 name	Nicholas male toms
02 - SETTINGS HOUSE 1		
🖿 🗎 10 - INFO HOUSE 1	02 edit curve	load standard curve
18 - AVERAGE WEIGHT HOUSE 1	03 load curve	Ell Boss 308 broiler as batched
- 🖻 26 - GROWTH LAST 24 HOUR HOUS		
🔤 🔤 34 - DIFFERENCE TO STANDARD HC	04 save to	EU Ross 208 broiler males
42 · WEIGHINGS HOUSE 1	05 execute	Cobb broiler females
50 - STANDARD DEVIATION HOUSE		Cobb broilers males
58 - COEFFICIENT OF VARIATION HO	06 age 0	EU Ross 308 broiler as-hatched 🛛 🔤 🔩
66 - UNIFORMITY HOUSE 1	07 weight 0	EU Ross 308 broiler females
	08 age 1	EU Ross 308 broiler males
97 - INSTALLER SETTINGS	09 weight 1	0.287 1k

Next, "double left click" on **line 05 execute** to open. "Left click" "**on**". The data that is saved within the program will now appear as a **line** of vertical **red** numbers. This may take a few minutes to execute. Once the data has been loaded, "**execute**" will turn off. If you have more than one house, then repeat the process for each house. If you have different breeds in different houses, then select the correct breed curve for the house.

🛍 00.00 - DWS-20 BIRD-SCALE	Name	Value Un
□ 01 - GENERAL SETTINGS □ 02 - SETTINGS HOUSE 1	01 name	Nicholas male toms
10 · INFO HOUSE 1	02 edit curve	load standard curve
	03 load curve	EU Ross 308 broiler males
	04 save to	user curve 1
■ 42 · WEIGHINGS HOUSE 1	05 execute	off 📃 💌
50 - STANDARD DEVIATION HOUSE	_	off
58 - COEFFICIENT OF VARIATION HO	06 age 0	on de
🔤 📴 66 - UNIFORMITY HOUSE 1	07 weight 0	0.106 11
	08 age 1	7 da
97 - INSTALLER SETTINGS	09 weight 1	0.287 11
98 - INSTALLER SETTINGS CALIBRA	10 age 2	14 da

#### **Building Your Own Breed Curves**

In many cases, you'll be supplied with weight data sheets from your pullet supplier. Their breed curves are different that those pre loaded into the program. The breed curves will have to be built only once and then they can be saved and the loaded into other houses.

The "74 STANDARD CURVE HOUSE 1" page will be missing the numbers required to make the graphs work. To enter the numbers, "double left click" on **line 02 edit** curve. It is defaulted to "off". "Left click" on "on". The box will close and all of the "0's" below will turn black from red which means that they can now be edited.

<u> </u>	<u> </u>		
00.00 - DWS-20 BIRD-SCALE	Name	Value	Unit
🗎 01 - GENERAL SETTINGS	01 name	BU Ross 308 broiler males	
02 - SETTINGS HOUSE 1			
10 - INFO HOUSE 1	02 edit curve	on 🔻	[
	03 load curve	off	1
26 - GRUWTH LAST 24 HOUR HOUS DO AN DISCEPTION TO ATAMPA PD US	04 save to	on	
34 - DIFFERENCE TO STANDARD HU     42 - WEIGHINGS HOUSE 1	05 execute	load standard curve	
	06 age 0	0	days
66 - UNIFORMITY HOUSE 1	07 weight 0	0.093	lbs
74 - STANDARD CURVE HOUSE 1	08 age 1	1	days
97 - INSTALLER SETTINGS	09 weight 1	0.112	lbs
🖹 98 - INSTALLER SETTINGS CALIBRA	10 age 2	2	days
🔤 99 - ALARM	ll weight 2	0.137	lbs

Scroll down to **line 06 age**. Double "left click" to open the input box. Enter **0**. The day that he pullets arrive is considered **Day 0**!

Scroll down to **line 07 weight**. Double "left click" on the **line**. Using your chart, enter the weight given. In this case it was **0.240**.

From this point until **day 40** or the required number of days for your breed curve, the information is put in for three day intervals for broilers, seven day intervals for turkeys and breeders.

Name			Value	Unit
01	name	user	curve 1	
02	edit curve		on	
03	load curve	user	curve l	
04	save to	user	curve l	
05	execute		off	
06	age (	)	0	days
07	weight (	0.240	\$	lbs
08	age :	L	3	days -
09	weight .	L	0.560	lbs
10	age a	2	6	days
11	weight 2	2	0.790	lbs
<b>—</b> 10			<u>^</u>	• 1

Once the information has been entered, scroll back up to **line 02 edit curve**, double "left click" to open the drop down menu and "left click" on **"Save standard to user curve"** to save your modified curve.

3					
ŝ	06	age	0	0	days
5	07	weight	0	0.240	lbs
4	08	age	1	3	days
.	09	weight	1	0.560	lbs
	10	age	2	6	days
1	11	weight	2	0.790	lbs
1	12	age	3 9	\$	days
D	13	weight	3	0.000	lbs
C	14	age	4	0	days
	1.0				

Name	Value	Ur
01 name	user curve 1	
02 edit curve	off	í –
03 load curve	off	ί
04 save to	on load standard summ	
05 execute	save standard to user curve	
06 age 0	) 0	da

Next, "double left click" on **line 04 save to** and left click on **user curve 1** (or select a user curve from 1 to 8.)

Name		Value	Unit
01	name	user curve 1	
02	edit curve	save standard to us	
03	load curve	user curve l	
04	save to	user curve 1	
05	execute	user curve 1	
		user curve 2	
06	age 0	user curve 3	days
07	weight 0	user curve 5	lbs
08	age 1	user curve 6	days
09	weight 1	user curve /	lbs
10	age 2	6	days
11	weight 2	0.790	lbs

Next "double left click" on line 05 execute. Select on. The load curve will turn red.

Name					Value	Unit
01 n	ane			user	curve 1	
02 e	dit curve		save	standard t	o us	
03 1	oad curve			user	curve l	
04 s	ave to			user	curve l	
05 e	xecute		off		-	
			off			
06 a	de	0	on			days
07 w	reight	0			0.240	lbs

To implement your curve to **line 01 name** go back to **line 02 edit curve** and "double left click" to open the drop down menu and "left click" on **load standard curve**. "Left click" on the curve you used from 1 - 8 and then "left click" on **line 05 execute**. The load curve for house will now be implemented. When you look at **page 10 info house 1** you will see that on **line 07 standard curve** will show as in this case **user curve 1**.

In many cases there may be more than one house. It is time consuming to re-enter all of the numbers for the standard curve. This information can be copied from one house to another. Now that you've loaded and saved the initial data, it is a simple process to transfer the data to other houses.

#### To transfer your curve:

To transfer and implement your curve go to **line 02 edit curve** and "double left click" to open the drop down menu and "left click" on **load standard curve**. Go to **line 03 load curve** and "double left click" on the curve you used, in this case **user curve 1** and then "double left click" on **line 05 execute** and click on "on". When done both **lines 02 edit curve & 05 execute** will revert to "off". The load curve for house will now be implemented. When you look at **page 10 info house 1** you will see that on **line 07 standard curve** will show as in this case **user curve 1**. This procedure is the same as on page 40.

You've now had the computer load your user curve into the desired house.

#### To modify a load curve for a house but not copy it to another house:

Follow the instructions on pages 41 and 42.

## **10 INFO HOUSE 1-4**

**10 Information House** is an information page that tells you what is happening in that house, e.g. the age of the birds, how many weighings, the number of live birds, temperatures, water consumption, etc. The information on this page can not be changed by you but will change automatically at time progresses. Each house will have its own page.

OptiLink Department UserPage Settings Print Graphs Window Help		
n 🔫 🔤 🖻 🧆 🛐		
L 🗗 🗘 🗗 🔍 🚁 🔧 <u>R</u> eload 🛱 ዥ 🖺 🗮 🔮		
💼 00.00 - DWS-20 BIRD-SCALE 🛛 🔼 Name	Value	Unit
01 · GENERAL SETTINGS	19	
02 · SETTINGS HOUSE 1 02 age	9	days
O3 - SETTINGS HOUSE 2		
04 - SETTINGS HOUSE 3	200	grams
05-SETTINGS HOUSE 4	17	grams
■ 11 NFO HOUSE 1	220	grams
II-INFU HUUSE 2	-20	grams
I2-INFO HOUSE 3     O7 standard curve	Nicholas	
10 AVENAGE WEIGHT HOUSE I	77	
10-AVERAGE WEIGHT HOUSE 2	14	grams
21 AVERAGE WEIGHT HOUSE 4	7.0	*
26-GBDW/THIAST 24 HOUR HO	60.1	4
27-GBOWTH LAST 24 HOUR HO		
28 · GROWTH LAST 24 HOUR HO	Neigher e	
29 · GROWTH LAST 24 HOUR HO	weighti a	
34 - DIFFERENCE TO STANDARD	12000	hirde
35 · DIFFERENCE TO STANDARD	13000	birds
36 · DIFFERENCE TO STANDARD	0	birds
37 · DIFFERENCE TO STANDARD	0.00	*
📲 42 · WEIGHINGS HOUSE 1	015	
43-WEIGHINGS HOUSE 2	215	grams
🔲 🗎 44 - WEIGHINGS HOUSE 3	199	
45-WEIGHINGS HOUSE 4 34 number of weighings scale 4	77	
50 - STANDARD DEVIATION HOU	1212 121	8.7
51 - STANDARD DEVIATION HOU Market Sensor 3	92.4	- F
52 - STANDARD DEVIATION HOU		
■ 53-STANDARD DEVIATION HOU	0.130	1/bird
58 - COEFFICIENT OF VARIATION 45 water yesterday	0.121	l/bird
59-COEFFICIENT OF VARIATION 246 water total	0.802	l/bird
■ 61 - CUEFFICIENT UF VARIATION 252 input 3 water total	0.785	l/bird

The green icons to the left of the page indicate that these are graphs. These will be explained shortly.

Lines 16 – 22 do not show up on the page as it is only available for breeders.

Line 39: displays the average temperature which is only available if two or more sensors are activated to that house.

Line 40: displays the temperature sensor 1

Line 41: displays the temperature sensor 2

Line 42: displays the temperature sensor 3

Line 44: Displays the water consumption per bird over the last 24 hours

Line 45: Displays water consumption per bird yesterday

Line 46: Displays the total water consumption per bird for the flock

Line 50: Displays the total water consumption recorded by the input sensor.

Line 52: Displays any additional inputs to the scale.

## SETTING UP THE GRAPHS

A big part of the **OPTILINK / SENTINEL SCALE** system is graphing used in tracking and diagnosing any problems that may occur within the flock so that corrective action can be taken before major problems arise.

To start the graphing, scroll up to the **"open department"** icon and "left click". When the dialogue box is finished loading, "left click" on **10 INFO HOUSE 1.** A page similar to this one will appear without the green boxes. These boxes mean that the system has already been set up for graphing. Not everything needs to be graphed.

☞ OptiLink 7.0.1 - [DEP: 00.00 <dws-20 bird-scale=""> PAGE: 10 <info 1="" house="">]</info></dws-20>						
🏙 OptiLink Department UserPage Settings Print Graphs Window Help						
😂 🖿 🤜 🔟						
mm 🛱 00.00 - DWS-20 BIRD-SCALE Name		Value	Unit			
01 - GENERAL SETTINGS		5230				
		0	days			
□ 11 · INFO HOUSE 2		0.055	lbs			
18 AVERAGE WEIGHT HOUSE 1		0.000	lbs			
🗂 19-AVERAGE WEIGHT HOUSE 2		0.000	lbs			
🗂 26 - GROWTH LAST 24 HOUR HOUS 🔟 06 difference to standard		0.000	lbs			
- 127 · GROWTH LAST 24 HOUR HOUS	E	W Ross 3				
34 - DIFFERENCE TO STANDARD HC						
35 - DIFFERENCE TO STANDARD HC		0				
42.WEIGHINGS HOUSE 1 09 standard deviation		0.004	lbs			
43-WEIGHINGS HUUSE 2		10.0	*			
		70.0	*			
	υ	Jaits on				
66 - UNIFORMITY HOUSE 1		10004	الم م ما م			
67 · UNIFORMITY HOUSE 2		18994	birds			
74 - STANDARD CURVE HOUSE 1		6	¢ birds			
To - STANDARD CURVE HOUSE 2		0.03	2			
97 · INSTALLER SETTINGS	0 1	0,000	lbs			
98 · INSTALLER SETTINGS CALIBRA	- 1	0.000	103			
99-ALARM	a 1	0				
te of mander of weightings star		U U				

Here is how to graph a line:

"Right click" on the gray box at the left side of the line to be graphed and a "Graph Settings" box will appear. This will have to be filled in.

Lines 01 flock id and 02 age do not need to be graphed.

#### Line 03 actual mean weight:

"Right click" on the little grey square to the very left of the line to open the "Graph Settings" dialogue box.

🧭 OptiLink 7.0.1 - [DEP: 00.00 <dws-2< th=""><th>0 BIRD-SCALE&gt; PAGE: 10 <info house<="" th=""><th>1&gt;]</th><th></th><th></th></info></th></dws-2<>	0 BIRD-SCALE> PAGE: 10 <info house<="" th=""><th>1&gt;]</th><th></th><th></th></info>	1>]				
in American Settings in American Settings in American Settings in American Settings in American Setting Settin	Print Graphs Window Help					
(1 · □ (1 · □ ▲ ▲ Bek	oad 🛱 Tr 🗈 📇 🔳 👔					
00.80 - DWS-20 BIRD-SCALE	Name	Value	Unit			
01 - GENERAL SETTINGS	01 flock id	5230				
02 · SETTINGS HOUSE 1	02 age	0	days			
C 10 INFO HOUSE 1						
	03 actual mean weight	0.055	lbs			
	04 mean growth trend	0 000	lhs			
19 - AVERAGE WEIGHT HOUSE 2	05 standard weight Graph Se	ttings: 0000100	3			
👘 🕮 26 - GROWTH LAST 24 HOUR HOUS	06 difference to standar Options F	Begistration   Status				
- 🛱 27 - GROWTH LAST 24 HOUR HOUS	07 standard curve					
34 - DIFFERENCE TO STANDARD HC		Name:				
35 · DIFFERENCE TO STANDARD HC	08 weignings	aut V Auiai				
A2 - WEIGHINGS HOUSE 1	10 coefficient of veriet	ext 1 Axis. ]				
50 · STANDARD DEVIATION HOUSE	L uniformity	)ata				
51 - STANDARD DEVIATION HOUSE		Last: 7	Days			
58 - COEFFICIENT OF VARIATION HO	12 weigher mode	Default Graph of				
59 - COEFFICIENT OF VARIATION HO		Deraulic juraphilor	whole registration			
66 - UNIFORMITY HOUSE 1	13 live bird count	e-point X-Aves				
TA STANDARD CURVE HOUSE 1	14 dead bird count	Scalin	ig X-Axes Belative			
	15 mortality					
97 · INSTALLER SETTINGS		1 ime: 12	: 4/ 😴 hour			
🛱 98 - INSTALLER SETTINGS CALIBRA	Z3 last accepted weight	Date: 25 🚖	May 🗾 2007	🔹 🕝		
🛄 99 - ALARM	31 number of weighings					
	Weightings	ок 📠 в	emove Cancel	Help		

The dialogue box appears as above.

The **"Graph Settings"** box is ready to be filled in.

At first line **"Name"** type in **"actual mean growth"** and in the **"Text Y-Axis" line** type in **"grams" or "lbs"**.

For the **"Current data"** line leave as **7 days.** For the **"Default"** line, if you "left click" on the scroll bar, it will open up with three options as seen below. Choose **"Graph from Reference-point"** 

	0.000 1hs
	Graph Settings: 00001003
aı	O <u>p</u> tions Registration <u>S</u> tatus
	Numer askusterer weight
	Name: actual mean weight
_	Text Y-Axis: Ibs
at	- Convert Data
	Current Data
	Last:  7 🚖 Days
_	Default: Graph of whole registration
_	Graph of whole registration
_	Reference-point X-A Graph of last day(s)
_	

For the **"Reference** point **X Axes**" "left click" to check ✓ **"Scaling X-Axes relative**"

In the **"Time" and "Date"** line check to make sure that the time and dates are correct. If not, use the scroll bars to adjust them.

	Reference-point X-Axes
t	Time: 12

Í	Graph S	ettings: 00001003
	0 <u>p</u> tions	Registration <u>S</u> tatus
		Name: actual mean weight
	Curren	t Data Last: 7 🚖 Days
		Default: Graph from Reference-point
	Refere	nce-point X-Axes Scaling X-Axes Relative
		Time: 12 🚖 : 47 🚖 hour
		Date: 25 🛊 May 💌 2007 🖨 🚱
	[	<u>O</u> K ∰ Bemove <u>C</u> ancel <u>H</u> elp

To start the flock automatically, "left click" on the "Internal Clock" icon. The current time and date will be displayed and registered as the start time of the new flock. However, by using this feature, if you had previous information typed in, it will be lost and will have to be re-entered.

Before you finish this, "left click" on the "Registration" tab next to the "Options" tab.

In the **"Registration Time" line** type in **"100"** days.

In the "Samples per Day" line type in "24".

In the **"Calculated from"**: The default is **"0"** but can be changed to suit your needs.

Do not check ✓ the "Auto-Stop" line.

"Left click" to place a ✓ mark in the "**Data-Buffering and Registration**" boxes.

_	G	iraph Settings: 00001003 🛛 🔀	
aı	0	D <u>p</u> tions Registration <u>S</u> tatus	
-			
_		Registration Time: 100 🗢 Days	
		Samples per Day: 24	
at		Calculated From: 0 🜩 : 0 🜩 hour	
_		, _ , _	-
-		Options	
-		J Auto-Stop	
		I✓ Data-Buffering	
		I✔ Registration	
+			-
-			
-	_		
		OK 🖶 Remove Cancel Help	

When finished, "left click" on the **OK** box.

You have now finished the graph process for line 03 actual mean weight.

This process will have to be repeated for each line that you want graphed. The most common lines to graph are **lines 03, 04, 05, 06, 08,10,11, 15, 23, 31, 39, 40, 44, 45, 46.** 

If you no longer want or need a graph, "left click" on the "**<u>Remove</u>**" tab and it will be deleted from the system.

## **GRAPH PROGRAM INDICATORS**

When the left hand column shows coloured boxes and bars on various lines, this indicates that graphing has been activated.

	Green box & Peach 🛛 🚽		
11. 21	<b>bar</b> indicates that:	Name Val	ue Unit
<u>ev </u>	Data Ruffaring is	01 flock id 19	
	-Data Bulleting is	02 age 9	days
	Activated	02 octual maan waight 204	
	-Registration is	04 mean growth trend	grams
	Activated	V 05 standard weight 225	grams
	Normal Status	06 difference to standard -21	grams
	-INOFILIAL STATUS	07 standard curve Nicholas .	
	Green box & Black	🖌 08 weighings 99	
1 2	<b>har</b> indicates that:	209 standard deviation 15	grams
$M \sim 1$		10 coefficient of variation 7.3	3 8
	-Data Buffering is	✓ 11 uniformity 59.8	}
	Deactivated		
	-Registration is	12 weigher mode Weigher a.	
	Activated	13 live hird count 13000	hirds
	Activated	14 dead hird count	birds
	-Use this setting when	15 mortality 0.0	30 %
	connected to a		
	dedicated P/C	Z6 last accepted weight scale 4 191	grams
		24 number of voighings cools 4	



**Red box & Peach bar** indicates that: -Data Buffering is Activated

-Registration is Deactivated



**Red box & Black bar** indicates that: -Data Buffering is Deactivated. -Registration is Deactivated.

## GRAPHS

After 24 hours of operation, the **SENTINEL SCALE** will have gathered enough information to show on a graph. To look at a graph, choose the line that you want to see a graph of and "left click" on it so that it turns blue.

02 age	9	days
🔽 03 actual mean weight	200	grams
🔽 04 mean growth trend	17	grams
05 standard weight	220	grams
06 difference to standard	-20	grams
07 standard curve	Nicholas	

Next scroll over to the green icon and "left click" on it. A graph will appear such as the one below:



It is possible to examine various parts of the graphs. Because the graphs gather information from the start of the flock to the finish of the flock, you may want to look at a specific time or day within the graph. This can be opened up and expanded to give you a better look at this specific data to help you diagnose any problems and make corrections before severe damage occurs.



This is what the whole graph looks like. This graph has a time frame of May 25, 2007 at 1 PM to July 5, 2007 at 2 PM. To look at the time frame of July 2 to July 4, position the cursor over the first triangle  $\checkmark$  at the top left corner of the graph. The cursor will turn to a vertical double line when placed correctly over it. "Left click", hold and drag the mouse to the point that you want. Repeat the process for the right triangle  $\checkmark$ .



To zoom in on the graph for the time selected, "left click" on the "Magnifying Glass with the + in the middle"



This will open the graph to the designated area:



This is for the whole registration. To see the "Last seven days" or from "From reference point" "left click" on the Whole registration tab and it will open up to give you the options. This will change the graph to show the last week of data or from whatever reference point you select.

🛃 uni	
Whole registration	→ ※ ④ < ≜ ?
Whole registration	
Last 7 days	
From Reference-point	
6	



The tool bar for graphing has other functions as well. Some icons are active and others

 cursor left
 cursor right

The "No Zoom" icon is not active. The "Zoom Out" icon is only active when an area has been selected and the "Zoom In" icon has been used. Then the "Zoom Out" icon will be active to return to the original graph.

Any line that has been activated for graphing will work with his process.

## FURTHER GRAPHING

Another Graphing Utility exists to allow you to compare two or more graphs at once. It is accessed by "left clicking" the green icon **Graphing Utility** The following screen opens:

🚺 Opti	iLink Gra	phics Vie	wer			
onfig	Help					
Graph	Settings	Values	Memo   Data			
	T [=]	6	X1-Graphics (0)	X2-Graphics (0)		
					Date/Time	
L						
					Date/Time	

Across the top of the screen are the following tabs which will be described in more detail later:



To create a graph "left click" on the **X1-Graphics** tab.

TROL TO HITOTIC	0.001	
🗱 OptiLink Graphic	Viewer 01.05	
Config Help		
Graph Settings Value	s Memo Data	•
🛛 Т [=] 🖨 🕻	X1-Graphics (0) X2-Graphics (0)	
	Select X1 Directory >>	Date/Time
	C:\Program Files\OptiLink 7.0\Users\DEFA	`
	00.00-50.01	
	00.00-32.01 00.00-74.04	
	Istwgtacc	
	mort	
	uni weighings	

"Left click" the box to the left of what you want to graph. A checkmark will appear in the box and a line will appear on the graph.

Most of the options in the **X1-Graphics** drop down menu are numbers. The main graphs of interest are found by scrolling down to the bottom of the list. The abbreviations are:

coeofvar:	Coefficient of Variation
lstwgtacc:	Last weight accepted
mgt:	Mean growth trend
mort:	Mortality
nowgts:	Number of weighings
stwgt:	Standard weight
uni:	Uniformity
weighings:	Weighings

You will also find the names of any graphs that you set up before in the section on Setting Up the Graphs. The name you input will be available as a choice here.



In this example we have selected **mgt** for mean growth trend

To create the second overlay graph "left click" on the **X2-Graphics** tab. A similar drop down menu to **X1-Graphics** will appear. The selections are the same. "Left click" the box to the left of the graph desired. A checkbox will appear in the box to indicate your selection and a line will show up on the graph.



In this example we have selected **coefovar** for Coefficient of variation:

The label for the Y-axis for X1 is on the left hand side of the graph. The label for the Y-axis for X2 is on the right. A legend describing which color line is which appears in the bottom right hand of the window.

The following tabs now come into play:



The **Graph** tab shows the pane with the created graphs.

The **Settings** tab allows you to make changes to the graphing utility, an example of the **Settings** view is on the next page:

## The Settings view:

🕮 OptiLink Graphics Viewer 01.05	
Config Help	
Graph Settings Values Memo Data	·
Show Haw Data (this will take extra time at loading tables)	
×1 graphics:	X2 graphics:
✓ Start date: 6/30/2007 ▼ 00:00 ÷	✓ Start date: 6/30/2007 ▼ 00:00 ÷
✓ End date: 7/ 5/2007 ▼ 00:01 ÷	✓ End date: 7/ 5/2007 ▼ 00:01 ÷
I Scale X1 Relative I Scale X1 = X2 I Use Fat Lines	I Scale X2 Relative  Scale X1 = X2 □ Use Fat Lines
Scale X1 Axis:	Scale X2 Axis:
🔲 Use Fixed Scale Y1	Use Fixed Scale Y2
Minimum: 0.00 € Maximum: 422.00 €	Minimum: 106.00

In this view you can change the range of the graphs and adjust the thickness of the lines and scale of the axes. Experiment with the settings to find what looks best to you.

The Values tab shows in numerical format a description of the graphs for X1 and X2:

* OptiLink Graphics	Viewer 01.05			
Config Help				
Graph Settings Values	Memo Data		•	
	X1: weighings	X2: 00.00-10.26		
Codename	00.00-10.08	00.00-10.26		
First Registration	5/25/2007 1:00:00 PM	7/1/2007 10:00:00 AM		
Last Registration	7/5/2007 4:00:00 PM	7/5/2007 4:00:00 PM		
Number Of Registrations	216	28		
Highest Point	421	234		
Date Highest Point	7/1/2007 11:00:00 PM	7/5/2007 10:00:00 AM		
Lowest Point	0	106		
Date Lowest Point	5/25/2007 1:00:00 PM	7/1/2007 5:00:00 PM		
Registration Time	365 days	100 days		
Samples Per Day	24	24		
Calculated From	00:00	00:00		
Auto Stop	No	No		
Data Buffering	Yes	Yes		
Registration	Yes	Yes		
Scaling X-Axis Relative	No	No		
Reference Point X-Axis	5/25/2007 12:41:00 PM	6/20/2007 2:47:30 PM		
	20			

The **Memo** tab is similar to the Notes button in the main Optilink page in that it allows you space to record notes and review them later.

🕮 OptiLink Graphics Viewer 01.05		
Config Help		
Graph Settings Values Memo Data	[X1:Y1] : [2:16:13] 46.621 -	
😂   X 🖻 🖻 🚺 :	3 ✔ 🗓 🖹 🚊 📃 Last Modified: 12/30/1899	
1		

The **Data** tab lets you see the actual numbers making up the points of the graph(s) and export the data to an Excel spreadsheet.

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	5/25/2007	7:00:00 PM	0		5/25/2007	7:00:00 PM	10	
	5/25/2007	8:00:00 PM	0		5/25/2007	8:00:00 PM	10	
	5/25/2007	9:00:00 PM	0		5/25/2007	9:00:00 PM	10	
	5/25/2007	10:00:00 PM	0		5/25/2007	10:00:00 PM	10	
	6/16/2007	11:00:00 AM	117		6/16/2007	11:00:00 AM	7.7	
	6/16/2007	12:00:00 PM	117		6/16/2007	12:00:00 PM	7.7	
	6/16/2007	1:00:00 PM	117		6/16/2007	1:00:00 PM	7.7	
	6/16/2007	2:00:00 PM	117		6/16/2007	2:00:00 PM	7.7	
	6/16/2007	3:00:00 PM	117		6/16/2007	3:00:00 PM	7.7	
	6/16/2007	4:00:00 PM	117		6/16/2007	4:00:00 PM	1.1	
	6/16/2007	5:00:00 PM	117		6/16/2007	5:00:00 PM	1.1	
	6/16/2007	5:00:00 PM	117		6/16/2007	5:00:00 PM	1.1	
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	6/16/2007 6/16/2007	0.00.00 PM	117		6/16/2007	0:00:00 PM	77	
	0/10/200/ c/1c/2007	3.00.00 FM	117		C/10/2007	10-00-00 PM	77	

To export the data "left click" the Excel icon: **Excel** in Excel displaying your data:

This will open a new window

× 1	🛛 Microsoft Excel - Sheet1										
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13		6/16/2007	1:00:00 F	PM	117						
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18		6/16/2007	6:00:00 F	PM	117						
19		6/16/2007	7:00:00 F	PM	117						
20		6/16/2007	8:00:00 F	PM	117						

With the graphs set up as you wish, there are a few buttons left to be explained:



The icon is the **Unzoom All** button. "Left clicking" this button will return the graph to the original viewing size.

The icon is the **Zoom Horizontally** button. After "left clicking" this button, position your cursor anywhere on the graph that you wish to zoom in on and "left click". You will see the graph zoom in and the x-axis will spread to reflect the zoom.

The [[=] icon is the **Zoom Window** button. After "left clicking" this button, "left click and hold" on the graph area and drag the mouse to create a box over the area you wish to zoom in on. When you release the left mouse button, the area that you selected will now show as zoomed in:



The icon is the **Print Graph** button. "Left click" this icon to print the graph you have created.



You may also change the color of the lines of your graphs by "left-clicking" the line itself. Doing so will open a color box in the graph so that you may select a color:

Once you have created your graph you may save it for future reference by "left clicking" on the **Config** button in the upper left screen and selecting **Save as...** and then naming and saving your graph. You may open any saved graphs at a later time by selecting **Open...** from the **Config** menu:

🗱 OptiLink Graphics Viewer 01.05								
Config	Help							
Oper Save	<b>)</b>	Values Memo Data						
Save As Delete		A X1-Graphics (1)	X2-Graphics (1)					
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402								
362 - 342 -								
322								

When finished with the graphing utility, select **Exit** from the **Config** menu.

## ACCESSING DATA WITHOUT BEING CONNECTED TO THE SCALE

The graphing utility also allows you to view all of the gathered data when disconnected from the scale. To do this, you must first set up the Graph Config file in the default folder of the Optilink program.

Before disconnecting from the scale, select all of the data that you wish to analyze offline by checking the boxes in the X1 and X2 menus (see prior). Save the Config as a name you will remember. Exit from Optilink and disconnect from the scale.



"Double left-click" the folder of the farm that you just were connected to, then "double left-click" **GraphIni.** 



🗀 Graphini	
File Edit View Favorites Tools	Help
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Address 🛅 C:\Program Files\OptiLink 7.(	]\Users\TY5ON2\GraphIni
File and Folder Tasks     Image: Comparison of the second se	LastConfig Con I ke Print Open With Send To Cut Copy
<ul> <li>Print this file</li> <li>Delete this file</li> </ul>	Create Shortcut Delete Rename
Other Places 🙁	Properties
TYSON2	

In this folder you will see a file with the name of the Config graph file you just saved. "Right-click" on this file and "left-click" **Copy**.

Next go back up one level to where you saw your farm folder in the Users file. You will also see a folder labelled **Default**. "Double leftclick" **Default** and "double leftclick" **GraphIni.** 





Right click on a blank space and "left-click" **Paste**. You should now have a copy of your graph file saved in the Default Users folder. Now you may open the Optilink Graphics viewer by going up until you see **OL_Graph**, it will be in the **C:\Program Files\Optilink 7.0** folder. "Double left-click" on it to open the Graph program independent of the main Optilink program. Now "left-click" the **Config** menu, and "left-click **Open...** 



Select your file from the list and click OK. You may now view all of the data from the scale just accessed. Every time you reconnect to the scale this graph will automatically update itself with the latest data.

## **HISTORY PAGES**

**History Pages** keep track numerically for up to fifty days back in time. Each page will change at midnight with new data.

Average Weight House 1-4 (page 18	00.00 · DWS·20 BIRD·SCALE	Name	Value (ay) 186	Unit grams
- 21)		02 day -2	165	grams
01 day -1 vesterday at midnight		03 day -3	146	grams
of day i yesterday at internet	🗎 05 - SETTINGS HOUSE 4	04 day -4	127	grams
02 day -2 2 days back	🗈 🗈 10 - INFO HOUSE 1	05 day -5	114	grams
	11 - INFO HOUSE 2	06 day -6	102	grams
50 - day 50		07 day -7 08 day -8	76	grams grams
50 days back in time.	■ 18 · AVERAGE WEIGHT HOUSE 1 ■ 19 · AVERAGE WEIGHT HOUSE 2	09 day -9 10 day -10	61	grams grams

🛍 00.00 - DWS-20 BIRD-SCALE	^	Name		Valu
01 - GENERAL SETTINGS		01	day -1 (yesterday)	17
02 - SETTINGS HOUSE 1		02	day -2	16
03 - SETTINGS HOUSE 2		03	dav -3	14
04 - SETTINGS HOUSE 3		04	dav -4	12
05 - SETTINGS HOUSE 4		05	day -5	12
10 - INFO HOUSE 1		06	dev -6	13
11 - INFO HOUSE 2		07	day 0	15
12 - INFO HOUSE 3			day -/	15
13-INFO HOUSE 4		08	day -s	14
18 - AVERAGE WEIGHT HOUSE *	1	09	day -9	12
19 - AVERAGE WEIGHT HOUSE 2	2	10	day -10	0
20 - AVERAGE WEIGHT HOUSE 3	3	11	day -11	0
21 - AVERAGE WEIGHT HOUSE	4	12	day -12	0
26 - GROWTH LAST 24 HOUR HO		13	day -13	0

Growth Last 24 Hour House 1-4 (page 26 - 29)

#### Difference To Standard House 1-4 (page 34 – 37)

Image       Vane       Value       Unit         Image       01.00 DWS-20 BIRD-SCALE       Image       Value       Unit         Image       01.00 DWS-20 BIRD-SCALE       Image       Value       Unit         Image       01.00 DWS-20 BIRD-SCALE       Image       -11       grams         Image       02.5ETTINGS HOUSE 1       Image       02 day -2       8       grams         Image       03.5ETTINGS HOUSE 3       Image       03 day -3       200       grams         Image       04.5ETTINGS HOUSE 4       Image       13       grams       05.5ETTINGS HOUSE 1       Image       11       grams         Image       11.10FO HOUSE 1       Image       Image       06 day -4       13       grams         Image       13.1NFO HOUSE 4       Image       Image       06 day -6       111       grams         Image       13.4WERAGE WEIGHT HOUSE 4       Image       09 day -9       S       grams         Image       13.4WERAGE WEIGHT HOUSE 3       Image       Image       11       day rams         Image       20.4WERAGE WEIGHT HOUSE 3       Image       Image       11       day rams         Image       21.4WERAGE WEIGHT HOUSE 3       Image       Image <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>						
Image: Constraint of the second se	🛱 00.00 - DWS-20 BIRD-SCALE	^	Name		Value	Unit
Image: Display the second s	01 - GENERAL SETTINGS		01	day -l (yesterday)	-11	grams
Image: Set TINKS HOUSE 2       03 day -3       20 grams         Image: Obsect 10 Set 10 Set 2       04 day -4       13 grams         Image: Obsect 10 Set 10 Set 2       05 day -5       11 grams         Image: Obsect 10 Set 10 Set 2       06 day -6       11 grams         Image: Obsect 10 Set 10 Set 2       06 day -7       12 grams         Image: Obsect 10 Set 10 Set 2       07 day -7       12 grams         Image: Obsect 10 Set 2       07 day -7       12 grams         Image: Obsect 10 Set 2       08 day -8       8 grams         Image: Obsect 10 Set 2       08 day -9       5 grams         Image: Obsect 10 Set 2       09 day -9       5 grams         Image: Obsect 10 Set 2       10 day -10       0 grams         Image: Obsect 10 Set 2       11 day -11       0 grams         Image: Obsect 10 Set 2       11 day -11       0 grams         Image: Obsect 11 Set 2       13 day -13       0 grams         Image: Obsect 11 Set 24 HOUR HO       13 day -14       0.000 lbs         Image: Obsect 10 SEA 24 HOUR HO       15 day -15       0.000 lbs         Image: Obsect 10 SEA 24 HOUR HO       15 day -16       0.000 lbs         Image: Obsect 10 SEA 24 HOUR HO       16 day -16       0.000 lbs         Image: Obsect 10 SEA 24 HOUR			02	day -2	8	grams
Image: Description of the section o	B 04 SETTINGS HOUSE 2		03	day -3	20	grams
Image: Section NRD HOUSE 1       05 day -5       11 grams         Image: Section NRD HOUSE 1       06 day -6       11 grams         Image: Section NRD HOUSE 2       06 day -6       11 grams         Image: Section NRD HOUSE 3       06 day -7       12 grams         Image: Section NRD HOUSE 4       09 day -9       8 grams         Image: Section NRD HOUSE 4       09 day -9       5 grams         Image: Section NRD HOUSE 4       09 day -9       5 grams         Image: Section NRD HOUSE 4       00 grams       11 day -10       0 grams         Image: Section NRD HOUSE 4       10 day -10       0 grams       12 day -12       0 grams         Image: Section NRD HOUSE 1       13 day -13       0 grams       13 day -14       0.000 lbs         Image: Section NRD HLAST 24 HOUR HO       15 day -15       0.000 lbs       15 day -15       0.000 lbs         Image: Section NRD HLAST 24 HOUR HO       16 day -16       0.000 lbs       15 day -17       0.000 lbs			04	day -4	13	grams
ID-INFO HOUSE 1       06 day -6       111 grams         ID-INFO HOUSE 2       07 day -7       12 grams         ID-INFO HOUSE 3       08 day -8       8 grams         ID-INFO HOUSE 4       09 day -9       5 grams         ID-INFO HOUSE 4       09 day -9       0 grams         ID-INFO HOUSE 4       09 day -9       0 grams         ID-INFO HOUSE 3       11 day -11       0 grams         ID-INFO HOUSE 4       11 day -11       0 grams         ID-INFO HOUSE 3       11 day -11       0 grams         ID-INFO HOUSE 3       12 day -12       0 grams         ID-INFO HOUSE 3       13 day -13       0 grams         ID-INFO HOUSE 4       14 day -14       0.000 lbs         ID-INFO HOUSE 3       15 day -15       0.000 lbs         ID-INFO HOUSE 3       16 day -16       0.000 lbs			05	day -5	11	grams
In 1. INFO HOUSE 2       07 day -7       12 grams         I 1. INFO HOUSE 3       08 day -8       8 grams         I 1. INFO HOUSE 4       09 day -9       5 grams         I 1. AVERAGE WEIGHT HOUSE 2       10 day -10       0 grams         I 1. AVERAGE WEIGHT HOUSE 2       10 day -11       0 grams         I 2. AVERAGE WEIGHT HOUSE 4       11 day -11       0 grams         I 2. AVERAGE WEIGHT HOUSE 4       12 day -12       0 grams         I 2. AVERAGE WEIGHT HOUSE 4       13 day -13       0 grams         I 2. AVERAGE WEIGHT HOUSE 4       14 day -14       0.000 lbs         I 3. AUFTERENCE TO STANDARD       15 day -15       0.000 lbs         I 3. OFFFERENCE TO STANDARD       17 day -17       0.000 lbs			06	day -6	11	grams
ⓐ 12 · INFO HOUSE 4           ⓐ 8 grams             ⓑ 13 · INFO HOUSE 4           ⓑ 8 day -8           ⓑ 8 day -9           ⓑ 8 day -9           ⓑ 9 day -9           ⓑ 9 day -9           ⓑ 9 day -9           ⓑ 9 day -9           ⓑ grams               ⓑ 19 · AVERAGE WEIGHT HOUSE 2           ⓑ 0 day -10           Ø grams           Ø grams               ② 1 · AVERAGE WEIGHT HOUSE 4           ⓑ 12 day -12           Ø grams               ② 1 · AVERAGE WEIGHT HOUSE 4           ⓑ 22           ⓑ 23           ⑥ grams               ② 2 - AREWIGHT HOUSE 4           ⓑ 22           ⓑ 23           ⑥ grams               ② 2 - GROWTH LAST 24 HOUR HO           ⓑ 24           ○ 000           ⓑs                 ③ 29           ⑥ GROWTH LAST 24 HOUR HO           □ 15           □ 3 day -15           □ 0.000           □bs               ② 29           ⑥ GROWTH LAST 24 HOUR HO           □ 15			07	day -7	12	grams
ⓐ 18 - AVERAGE WEIGHT HOUSE 1           ⓑ 9 day -9           5 grams             ⓑ 19 - AVERAGE WEIGHT HOUSE 2           ⓑ 0 day -10           0 grams             ⓑ 20 - AVERAGE WEIGHT HOUSE 3           ⓑ 11 day -11           0 grams             ⓑ 21 - AVERAGE WEIGHT HOUSE 4           ⓑ 12 day -12           0 grams             ⓑ 26 - GROWTH LAST 24 HOUR HO           ⓑ 13 day -13           0 grams             ⓑ 27 - GROWTH LAST 24 HOUR HO           ⓑ 14 day -14           0.000             ⓑ 28 - GROWTH LAST 24 HOUR HO           ⓑ 15 day -15           0.000             ⓑ 29 - GROWTH LAST 24 HOUR HO           ⓑ 16 day -16           0.000             ⓑ 34 - DIFFERENCE TO STANDARD           ⓑ 16 day -17           0.000             ⓑ 35 - DIFFERENCE TO STANDARD           ⓑ 8 day           18 day           0.000			08	day -8	8	grams
Image: Second state weight House 2       10 day -10       0 grams         Image: Second state weight House 2       11 day -11       0 grams         Image: Second state weight House 3       11 day -11       0 grams         Image: Second state weight House 4       12 day -12       0 grams         Image: Second state 3       13 day -13       0 grams         Image: Second state 3       14 day -14       0.000 lbs         Image: Second state 3       15 day -15       0.000 lbs         Image: Second state 3       16 day -16       0.000 lbs         Image: Second state 3       17 day -17       0.000 lbs			09	day -9	5	grams
10 AVERAGE WEIGHT HOUSE 3             21 - AVERAGE WEIGHT HOUSE 4                11 day -11               0 grams                 21 - AVERAGE WEIGHT HOUSE 4                12 day -12               0 grams                 21 - AVERAGE WEIGHT HOUSE 4               12 day -12               0 grams                 22 - GROWTH LAST 24 HOUR HO               14 day -14               0.000             1bs                 29 - GROWTH LAST 24 HOUR HO               14 day -14               0.000             1bs                 29 - GROWTH LAST 24 HOUR HO               13 day -13               0.000             1bs                 29 - GROWTH LAST 24 HOUR HO               15 day -15               0.000             1bs                 29 - GROWTH LAST 24 HOUR HO               15 day -15               0.000             1bs                 34 - DIFFERENCE TO STANDARD               17 day -17               0.000             1bs                 38 day             -18                0.000             1bs	■ 19-AVEBAGE WEIGHT HOUSE 2		10	day -10	0	grams
■ 21 · AVERAGE WEIGHT HOUSE 4       12 day -12       0 grams         ■ 26 · GROWTH LAST 24 HOUR HO       13 day -13       0 grams         ■ 27 · GROWTH LAST 24 HOUR HO       14 day -14       0.000 lbs         ■ 28 · GROWTH LAST 24 HOUR HO       15 day -15       0.000 lbs         ■ 29 · GROWTH LAST 24 HOUR HO       16 day -16       0.000 lbs         ■ 35 · DIFFERENCE TO STANDARD       18 day -18       0.000 lbs	20 - AVERAGE WEIGHT HOUSE 3		11	day -11	0	grams
■ 26 · GROWTH LAST 24 HOUR HO       13 day -13       0 grams         ■ 27 · GROWTH LAST 24 HOUR HO       14 day -14       0.000 lbs         ■ 28 · GROWTH LAST 24 HOUR HO       15 day -15       0.000 lbs         ■ 29 · GROWTH LAST 24 HOUR HO       16 day -16       0.000 lbs         ■ 35 · DIFFERENCE TO STANDARD       18 day -18       0.000 lbs	21 - AVERAGE WEIGHT HOUSE 4		12	dav -12	0	grams
■         27 • GROWTH LAST 24 HOUR HO         14 day -14         0.000 lbs           ■         28 • GROWTH LAST 24 HOUR HO         15 day -15         0.000 lbs           ■         29 • GROWTH LAST 24 HOUR HO         15 day -15         0.000 lbs           ■         29 • GROWTH LAST 24 HOUR HO         16 day -16         0.000 lbs           ■         35 • DIFFERENCE TO STANDARD         17 day -17         0.000 lbs           ■         8 day -18         0.000 lbs	26 - GROWTH LAST 24 HOUR HO		13	dav -13	0	grams
■         28 · GROWTH LAST 24 HOUR HO         15 day -15         0.000         1bs           ■         29 · GROWTH LAST 24 HOUR HO         16 day -16         0.000         1bs           ■         34 · DIFFERENCE TO STANDARD         17 day -17         0.000         1bs           ■         35 · DIFFERENCE TO STANDARD         18 day -18         0.000         1bs	27 - GROWTH LAST 24 HOUR HO		14		0.000	lbs
■ 29-GROWTH LAST 24 HOUR HO         16 day -16         0.000 lbs           ■ 34-DIFFERENCE TO STANDARD         17 day -17         0.000 lbs           ■ 35-DIFFERENCE TO STANDARD         18 day -18         0.000 lbs	- 🗎 28 - GROWTH LAST 24 HOUR HO		15	dav -15	0.000	lbs
■ 34 - DIFFERENCE TO STANDARD         17 day -17         0.000 lbs           ■ 35 - DIFFERENCE TO STANDARD         18 day -18         0.000 lbs	- 🖻 29 - GROWTH LAST 24 HOUR HO		16	dav -16	0.000	lbs
B 35-DIFFERENCE TO STANDARD 18 day -18 0.000 lbs	34 - DIFFERENCE TO STANDARD		17	day -17	0.000	lbs
	35 - DIFFERENCE TO STANDARD		18	dav -18	0.000	lbs

All of these are history pages and will change at midnight of each day a long as the house is turned on.

## Weighings House 1-4 (page 42 – 45)

16 - 4 6 4	<u>H</u> el	oad ⊔∰2 17 🖺 📇 🗮 📓	
00.00 - DWS-20 BIRD-SCALE	^	Name	Val
01 - GENERAL SETTINGS		📈 01 day -1 (yesterday)	119
02 · SETTINGS HOUSE 1		02 day -2	86
		03 day -3	145
		04 day -4	426
		05 day -5	1165
		06 day -6	1315
		07 day -7	681
13 - INFO HOUSE 4		08 day -8	643
18 - AVERAGE WEIGHT HOUSE	1	09 day -9	53
19 - AVERAGE WEIGHT HOUSE	2	10 day -10	0
20 - AVERAGE WEIGHT HOUSE	3	11 day -11	0
21 - AVERAGE WEIGHT HOUSE	4	12 day -12	0
🛛 🖹 26 - GROWTH LAST 24 HOUR H	10	13 day -13	0
27 - GROWTH LAST 24 HOUR H	10	14 day -14	0
🗎 🖹 28 - GROWTH LAST 24 HOUR F	10 🗉	15 day -15	0
29 · GROWTH LAST 24 HOUR H	10	16 day -16	0
34 - DIFFERENCE TO STANDAR	D	17 day -17	0
35 - DIFFERENCE TO STANDAR	D	18 day -18	0
36 - DIFFERENCE TO STANDAR	D	19 day -19	0
37 - DIFFERENCE TU STANDAH	U	20 day -20	0
42 · WEIGHINGS HOUSE 1			-

Standard deviation House 1-4 (page 50 – 53)

🛱 00.00 - DWS-20 BIRD-SCALE 🗾 🔼	Name	Value	Unit
- 🗎 01 - GENERAL SETTINGS	01 day -1 (yesterday)	13	grans
- 🖹 02 · SETTINGS HOUSE 1	02 day -2	12	grans
03 · SETTINGS HOUSE 2	03 day -3	12	grans
- 🗎 04 - SETTINGS HOUSE 3	04 day -4	10	grans
- M 05 · SETTINGS HOUSE 4	05 day -5	8	grans
10 · INFO HOUSE 1	06 day -6	8	grans
- III - INFU HUUSE 2	07 day -7	7	grans
IZ-INFU HUUSE 3	08 day -8	6	grane
I3 - INFU HUUSE 4	09 day -9	4	arone
10 AVERAGE WEIGHT HOUSE 1	10 day -10		arang
13 - AVENAGE WEIGHT HOUSE 2	ll day all	0	grans
20 - AVENAGE WEIGHT HOUSE 3	12 dog 11		grans
B 25. GROWTH LAST 24 HOUR HO	12 day -12	0	graus
B 27, GBOWTH LAST 24 HOUR HO	15 day -15	0	grans
- R 28-GBOWTH LAST 24 HOUB HO	15 dow all		grans
- B 29-GBOWTH LAST 24 HOUB HO	15 day -15	0	grans
34 - DIFFEBENCE TO STANDARD	16 day -16	0	grans
■ 35 · DIFFERENCE TO STANDARD	17 day -17	0.000	IDS
36 - DIFFERENCE TO STANDARD	18 day -18	0.000	165
37 · DIFFERENCE TO STANDARD	19 day -19	0.000	Ibs
42 · WEIGHINGS HOUSE 1	20 day -20	0.000	Ibs
- 🗎 43 · WEIGHINGS HOUSE 2	Z1 day -Z1	0.000	lbs
44 · WEIGHINGS HOUSE 3	22 day -22	0.000	lbs
-      45 · WEIGHINGS HOUSE 4	23 day -23	0.000	lbs
	24 day -24	0.000	lbs
B 51 - STANDARD DEVIATION HOLD	25 day -25	0.000	lbs

#### **Coefficient of Variation House 1-4 (page 58-61)**

<b>D</b> 00.	00 - DWS-20 BIRD-SCALE	^	Name		Value	Unit
🗈	01 - GENERAL SETTINGS		01	day -1 (yesterday)	6.9	÷
🗈	02 - SETTINGS HOUSE 1		02	day -2	7.2	÷
- <u>B</u>	03 - SETTINGS HOUSE 2		03	day -3	8.2	÷
	04 - SETTINGS HUUSE 3		04	day -4	7.8	\$
	US - SETTINGS HUUSE 4		05	day -5	7.0	*
	10 - INFO HOUSE I		06	day -6	7.8	÷
	12 INFO HOUSE 2		07	day -7	7.6	*
	12 - INFO HOUSE 3		08	day -8	7.8	÷
	18 - AVEBAGE WEIGHT HOUSE 1		09	day -9	6.5	÷
- 10	19 - AVERAGE WEIGHT HOUSE 2		10	day -10	0.0	÷
🗈	20 - AVERAGE WEIGHT HOUSE 3		11	day -11	0.0	\$
🗈	21 - AVERAGE WEIGHT HOUSE 4		12	day -12	0.0	*
🗈	26 - GROWTH LAST 24 HOUR HO		13	day -13	0.0	÷
🗈	27 - GROWTH LAST 24 HOUR HO		14	day -14	0.0	*
🗈	28 - GROWTH LAST 24 HOUR HO		15	day -15	0.0	
••••	29 - GROWTH LAST 24 HOUR HO		16	day -16	0.0	*
🗈	34 - DIFFERENCE TO STANDARD		17	day -17	0.0	÷
- B	35 - DIFFERENCE TO STANDARD		18	day -18	0.0	
	36 - DIFFERENCE TO STANDARD		19	day -19	0.0	
	37 - DIFFERENCE TU STANDARD		20	day -20	0.0	*
	42 - WEIGHINGS HOUSE 1		21	day -21	0.0	*
	43 · WEIGHINGS HOUSE 2		22	day -22	0.0	
	45 WEIGHINGS HOUSE 3		23	day -23	0.0	*
B	50 - STANDARD DEVIATION HOL		24	day -24	0.0	\$
- B	51 - STANDARD DEVIATION HOU		25	day -25	0.0	8
	52 - STANDARD DEVIATION HOU		26	day -26	0.0	
•••	53 - STANDARD DEVIATION HOU		27	day -27	0.0	÷
- 8	58 - COEFFICIENT OF VARIATION		28	day -28	0.0	*

#### Uniformity House 1-4 (page 66 – 69)

			N	ame				Value	Unit
				01	day	-1	(yesterday)	60.5	÷
				02	day	-2		61.9	÷
B	61 - COFFEICIENT OF VARIATION			03	day	-3		62.5	÷
ě.	SE . UNIFORMITY HOUSE 1			04	day	-4		62.9	÷
				05	day	-5		61.4	÷
Ē	67 - UNIFURMITY HUUSE 2			06	day	-6		59.5	÷
B	68 - UNIFORMITY HOUSE 3			07	day	-7		56.4	÷
B	69 - UNIFORMITY HOUSE 4	2		08	day	-8		51.4	÷
				09	day	-9		45.5	÷

## **USER PAGES**

User Pages are tools that can be used by the end user to compile important data automatically so that customized reports are available anytime. User pages can even be set to email or print automatically.

You can make your own 'UserPage' as follows:

📽 OptiLink 7.0.1 - [UserPage: Untitled1.upf] "Left click" on the UserPage tab at the top of the 📓 OptiLink Department UserPage Settings Print screen, scroll down to New and "left click", the 💼 New 🖻 🛅 🗾 UserPage Settings box will appear. Ctrl+P 🛅 🚅 🔲 🖭 🔰 Close UserPage Settings 🔶 × 🔜 Background picture X 🖻 🖪 🖹 Notes m Number of Rows: 4 ÷ Settings... ¢ Number of Columns: 4 Save 📲 Save As Ctrl+A **‡**∎ Insert Rows Use Header: 🔽 t Remove Row ÷ Default Column Width: 64 The sert Columns T- Remove Column Remove All 0K Cancel <u>H</u>elp Protected Ctrl+B ca

Select how many rows and columns you desire based on the amount of data you wish to compile. Click OK when all settings for the 'UserPage' are done.

 Image: Untitled1.upf

 Image: Untitled1.upf

 Image: Image: Untitled1.upf

 Image: Im

A blank 'UserPage' will appear and you can start to make the Layout:

UserPage: Untilled1.upf

Image: Intilled1.upf

Image: Image: Intilled1.upf

Image: Image:

To fill in a UserPage, first "left click" on the header and type in the name for your page:

Then begin to compile your page. It is handy to have two windows open at this point: the UserPage, and the Dept page that you will be getting data from.

🝯 OptiLink 7.0.1					- 2 ×
OptiLink Department UserPage Settings Print	Graphs Window Help				
🖻 🖿 🖉 📽 🖉					
DEP: 01.00 <hog weigher=""> PAGE:</hog>	02 <info 1="" house=""></info>			UserPage: Untitled1.upf	
🔁 🗗 🗣 📑 🗣 🔒 🔒 Belo	ad 🛱 Tr 🗅 🖨 🗏 👔				1
🛱 01.00 - HOG WEIGHER	Name	Value	Unit		
00 · GENERAL SETTINGS	01 ID number	0			
O1 - SETTINGS HOUSE 1	02 age	0	day(s)	Val-Co	
U2 - INFU HUUSE I B 00 LUCTORY AVERACE WEICHT UC	03 actual mean weight	0.00	lbs		
	04 mean growth trend	0.00	lbs		
05 HISTORY DIFFERENCE TO STAN	05 standard weight	0.00	lbs		
OG - HISTORY WEIGHINGS HOUSE 1	06 difference to standard	0.00	lbs		
- 07 · HISTORY STANDARD DEVIATIO	07 standard curve	-			
- 08 - HISTORY COEFFICIENT OF VARI					
- 🕒 09 - HISTORY UNIFORMITY HOUSE *	08 weighings	0			
90 - AGE CURVE	09 standard deviation	0.00	lbs		
91 · WEIGHT CURVE 1	10 coefficient of variation	0.0	8		
92 - WEIGHT CURVE 2	11 uniformity	0.0	8		
93 - WEIGHT CURVE 3					
97 - INSTALLATION SETTINGS	12 weigher mode	stop			
98 - CALIBRATION					
- B 99 - ALAHM	20 last accepted weight scale 1	0.00	lbs		
	20 number of weighings scale 1	0			
	so number of weightings scale i	U			
<					

In the UserPage, "double left click" the cell that you wish to begin with. In this example we will start with the top left cell. This will bring up the text entry box:

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X 🖻 🖬	B / U
Val-Co	D
	Iext   ⊻alue   Eormula   I I I I I I I I I I I I I I I I I I I

Enter the label desired and "left click" the green check mark button.

To enter a value into the next cell, "left click" on a line (setting, measurement or calculation) in the Department/Page window and hold down the left mouse button; drag

the data to the desired cell in the 'UserPage' and release the mouse button. See example below:

<b>GoptiLink 7.0.1</b> OptiLink Department UserPage Settings Print	Graphs Window Help			
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DEP: 01.00 <hog weigher=""> PAGE:</hog>	02 <info 1="" house=""></info>			UserPage: Untitled1.upf
🔁 🗗 🗣 📑 🗣 🔒 🔒	əəd 🖙 7r 🗈 🛎 🔳 😭			
O1.00 - HOG WEIGHER      D0 GENERAL SETTINGS	Name	Value	Unit	🔏 🛤 💽 Microsoft Sans Serif 🦙 18 🕂
01 - SETTINGS HOUSE 1	01 ID number 02 age	0	day(s)	Val-Co
02 · INFO HOUSE 1     03 · HISTORY AVERAGE WEIGHT HC	03 actual mean weight 04 mean growth trind	0.00	lbs lbs	
<ul> <li>04 - HISTORY GROWTH LAST 24 HU</li> <li>05 - HISTORY DIFFERENCE TO STAN</li> </ul>	05 standard weight 06 difference to stindard	0.00	lbs lbs	age days
OF HISTORY WEIGHINGS HOUSE T      OF HISTORY STANDARD DEVIATIO      OF UNSTORY STANDARD DEVIATIO	07 standard curve	-		
OS - HISTORY COEFFICIENT OF VAN	08 weighings	0		
90 - AGE CURVE     91 - WEIGHT CURVE 1	09 standard deviation 10 coefficient of variation	0.00	lbs %	
S1 - WEIGHT CURVE 2     S1 - WEIGHT CURVE 2     S1 - WEIGHT CURVE 3     S7 - INSTALLATION SETTINGS     S8 - CALIBRATION	11 uniformity	0.0	*	
	12 weigher mode	stop		/
🖻 99 - ALARM	20 last accepted weight scale 1	0.00	lbs	
	30 number of weighings scale 1	0		
				-
		1		-

"Left click & Hold" and drag from here to here then release the mouse button.

The data will automatically populate in the UserPage. Continue to fill in the remainder of the page with the desired data until satisfied.

When finished, "left click" the icon to save your work. Make sure to name the file something that you will remember then "left click" Save.

Save UserPage	as				? 🔀
Savejn:	🗀 UserPage		•	+ 🗈 💣 🖩	] <b>-</b>
My Recent Documents Desktop	C AutoPrint Defa	ult Print Page.upf age.upf			
My Documents					
My Network Places	File <u>n</u> ame: Save as <u>t</u> ype:	Untitled1 UserPage Files (*.t	upf)	• •	<u>S</u> ave Cancel

Note: If you wish to use the AutoPrint feature, you MUST name your file "AutoPrint <insert site or barn name here>" (do not include the quotation marks in the name) The last thing to be done on a UserPage is to adjust the Settings.

"Left click" The UserPage tab and scroll down to Settings... and "left click."

The window below will open:	🜌 OptiLink 7.0.1	- [UserPage:	Untitled1.upf]
	📓 OptiLink Depart	ment UserPage	Settings Print
	🖻 🖿 🔽	New 🚔 New	Ctrl+P
	h 🖻 🖬 🗉	Close	
	🕺 🖻 💼 M	crosofi 🔜 Backgi	round picture
	Val-Co	Settin	gs
UserPage Print Settings			
Printing/Emailing Layout Email settings			
Printouts Per Day:			
Calculated From: 0 🜩 : 00 🜩 hour	o-print		
Print background image:	o-email		
In order for this option to work there must be a UserPage file begi "AutoPrint" in your UserPage Directory.	inning with:		
<u>OK</u> ancel <u>H</u> elp			

In this page you may choose how many printouts per day you wish (0-1440) and the time of day it will start from. A background image can be incorporated into your UserPage to customize the look to your farm. You may choose to have the image printed or not for clarity and to save ink. If you wish your reports to auto-print or auto-email you must "left click" in the boxes above corresponding to your desire.

When finished inputting settings to this page, "left click" on the **Layout** tab at the top of this window. The following view will appear:

There is only one selection here,	UserPage Print Settings
depending on how you want the text to	z <u>P</u> rinting/Emailing Layout <u>E</u> mail settings
appear on your UserPage. Toggle between selections by "left clicking" the checkbox.	Align Available Text Left
Then "left click" the <b>Email settings</b> tab.	c <u>O</u> K <u>C</u> ancel <u>H</u> elp

-	UserPage Print Settings
r	Printing/Emailing Layout Email settings
12	Sender email address :
	Outgoing mail (SMTP) server :
_	Requires authentication     Port number: 25
	Account name:
	Password:
_	OK Cancel Help
-9	

Fill this page out with information provided by your internet service provider or email provider. Val-Co and your local dealer do not have access to this information as it is individual to your internet and email company.

"Left click" **OK** when finished.

There are other options in the **UserPage** tab. These are defined below.

**New** This icon allows you to open a new UserPage.

**Open** This icon opens the list of all previously saved UserPages.

Close shuts down the current UserPage.

Background picture Lets you add or change the background of your UserPage. An example of a UserPage with a background picture is seen here:

Notes Lets you add a note to the UserPage or read previous notes made.

UserPage and want to save the changes as a



 Image: Image



new page, use the Save As function to give the changed page a new name.

The sert Rows Lets you add a row to your UserPage. "Left click" the existing row that you would like to add a row above or below and then click this icon. You will be prompted to enter the number of rows desired to add as well as above or below the current row selected.

## **T** Remove Row If you find that you inserted too many rows or no longer need a row, use this icon to delete the row and all its contents.

## + Insert Columns

Lets you add a column to your UserPage. "Left click" the existing column that you would like to add a column left of or right of and then click this icon. You will be prompted to enter the number of rows desired to add as well as left or right of the current column selected.

Remove Column If you find that you inserted too many columns or no longer need a column, use this icon to delete the column and all its contents.

Remove All This icon removes all data from the UserPage. Before erasing all data you will be prompted to verify your decision.

**Protected** keeps the contents of the UserPage inviolate and greys out a lot of the editing tools. It is indicated by a check mark to the left of the word **Protected**.

## **ALARM PAGE 99**

Occasionally the Alarm will activate.

If you have a set of speakers connected to the PC, you'll hear a "ponging" sound to

alert you when the alarm activates. As well, a red message box

will appear down in the left corner of your screen with any one of the following messages:

0> No alarm

00> Alarm on: This alarm will activate when the Settings House 1-4, Mode is turned on.

1> Memory Alarm: This alarm will occur when the BE-SSC-101 is powered up for the first time. Press the **F1** button on the BE-SSC-101 and set the **alarm mode** to **reset.** 

2> Alarm Scale 1

3> Alarm Scale 2 no weighings have occurred on the scales for a period of time
4> Alarm Scale 3

ر Alarm Scale 4

10> No weighings in house 1

11> No weighings in house 2 12> No weighings in house 3

13> No weighings in house 4

no weighings were recorded from any scale in that house. I.E. the house was not turned off when the birds' were shipped.

To shut the alarm off, open page 99-ALARM

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📓 OptiLink Department UserPage Settings	Print Graphs Window Help							
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	Pa     □↑     □↓     □↓     ▲     ▲     Beload     □□µ     □µ     □µ     ■     ■							
01.00 · HOG WEIGHER	Name	Value Unit						
01 - SETTINGS HOUSE 1 01 - SETTINGS HOUSE 1 02 - INFO HOUSE 1 03 - HISTORY AVERAGE WEIGHT HO	01 alarm status13 no weighings House 402 alarm mode2 on							
<ul> <li>■ 04 - HISTORY GROWTH LAST 24 HO</li> <li>■ 05 - HISTORY DIFFERENCE TO STAN</li> <li>■ 06 - HISTORY WEIGHINGS HOUSE 1</li> <li>■ 07 - HISTORY STANDARD DEVIATIO</li> <li>■ 08 - HISTORY COEFFICIENT OF VARI</li> <li>■ 09 - HISTORY UNIFORMITY HOUSE 1</li> <li>■ 90 - AGE CURVE</li> <li>■ 91 - WEIGHT CURVE 1</li> <li>■ 92 - WEIGHT CURVE 3</li> <li>■ 09 - AGE VARI</li> </ul>								

In the above example, the **alarm status** tells us that there are **no weighings in house 4**. The **alarm mode** is **on**. The reason for this alarm was because the scale in house 4 was not activated. Once the scale is activated, the alarm will go off.

00.00 - ALARM-ON

To turn an alarm off, double "left click" on **line 02 alarm mode** to open the drop down menu box.

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📓 OptiLink Department UserPage Settings	Print Graphs Window Help	
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	oad 🛱 Tr 🗈 📇 🗮 👔	
01.00 - HOG WEIGHER	Name	Value Unit
00 - GENERAL SETTINGS 01 - SETTINGS HOUSE 1	01 alarm status	13 no weighings House 4
	02 alarm mode	···· reset 🔹
		reset
05 - HISTORY DIFFERENCE TO STAI		off
🔤 📴 06 - HISTORY WEIGHINGS HOUSE 1		
🕒 🗎 07 - HISTORY STANDARD DEVIATIO		test
08 - HISTORY COEFFICIENT OF VAR		
92 · WEIGHT CURVE 2		
93 · WEIGHT CURVE 3		
99 - ALARM		

When the selection box opens there are four options. In this case **reset** was chosen. Note that **line 01 alarm mode** will now show that there is no alarm once the selection is made.

- : Reset  $\rightarrow$  the alarm will be reset
- : Off  $\rightarrow$  the alarm relay will be switched off
- : On  $\rightarrow$  the alarm will be reactivated if an alarm situation arises
- : Test  $\rightarrow$  the alarm message <u>test</u> will show up and the alarm system will be tested

Other reasons for an alarm could be a damaged load cell (water/moisture damage) or a short (crossed wires) in either the load cell or BE-SSC-101. Ensure that the wires are not crossed when installing. Also ensure that the grommet at he top of the load cell is tightened according to instructions provided with the load cell to ensure a water tight seal.

## **NOTE PAGE:**