Series 500
Digital Weight Indicator

ELECTRONIC IDENTIFICATION
USER MANUAL ADDENDUM

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1. Contents

2. Overview

The Series 500 Digital Weight Indicators can collect, store and report Electronic Identification (EID) information when they have the EID option installed. The EID option is denoted by an X in the model number (eg. Model 500X-2) and is available at the time of initial order or as a factory installed upgrade.

EID capable units have two Serial Ports, extended memory and an EID specific program. Serial Port 1 will always be an RS-232 port and is used to connect to a compatible EID reader. Serial Port 2 is available as an RS-232 or RS-485 port and connects a PC, printer or other external data collection device. The configuration of Serial Port 2 is indicated in the model number after the dash, "-2" indicates RS-232 (eg. Model 500X-2) and "-5" indicates RS-485 (eg. Model 500X-5). The general operation of the Weight Indicator and the EID operations are the same for both port configurations.

The Series 500 Weight Indicators have been tested with a number of barcode and EID readers.

3. Operation

There are two main elements to the EID program, collection and reporting.

3.1 Collection

Depending on the type of Weight Indicator – Sorting or non-sorting, the EID collection process will vary slightly.

3.1.1 Sorting Models

For sorting models (eg. Model 580AX, Model 580CX), EID information is collected within the **Sorting** process. If the **Save Records** feature is enabled, detailed Weight Records including EID will be saved. The EID number can be obtained by the scale at any time prior to, during, or after the **Sort** process up until the Weight Record is saved. If multiple EIDs are received prior to saving, the last valid EID will be assigned to the record. When the scale has received a valid EID, it will display **ID REC** and beep in acknowledgement. If the sorted weight is being displayed when the EID is received, the acknowledgement will be made prior to saving the averaged weight.

In automatic reset mode, if no EID has been received when the record is saved, the record will be saved without an EID. In manual reset mode (available with Model 580C), if no EID has been received when the record is saved, **ID?** will be displayed and an EID can be sent, or **ENTER** can be pressed to save the record without an EID, or **EXIT** can be pressed to cancel the collection of the current record. When a Weight Record is saved, the EID associated with it will be scrolled across the screen. The operator can set the **EID Display Length** and **EID Display Speed** parameters.

3.1.2 Non-Sorting Models

For non-sorting models (eg. Model 500), EID information is collected within the **Hold/Print/Save** process. This process is used to collect and save Weight Records. The EID number can be obtained by the scale at any time prior to, during, or after the **Hold** process up until the Weight Record is saved. If multiple EIDs are received prior to saving, the last valid EID will be assigned to the record. When the scale has received a valid EID, it will display **ID REC** and beep in acknowledgement. If the scale is averaging the weight and **HOLD** or the averaged weight is locked is on the display when the EID is received, the acknowledgement will be made prior to saving the record. If no EID has been received when the **HOLD/PRINT** button is pressed to save the record, **ID?** will be displayed and an EID can be sent, or **ENTER** can be pressed to save the record without an EID, or **EXIT** can be pressed to cancel the collection of the current record. When a Weight Record is saved, the EID associated with it will be scrolled across the screen. The operator can set the **EID Display Length** and **EID Display Speed** parameters.

3.2 Reporting

The collected Weight Records can be output as a group or individually.

3.2.1 Detailed Report

Each collected EID number is stored as a part of a Weight Record and can be retrieved with the **Detailed Report** function of the Weight Indicator (see your user manual for details). The EID information is included as an additional column in the **Detailed Report**.

3.2.2 Communication Port Protocols

Certain **Communication Port Protocols** can be used to output the EID along with other information as it is saved on an individual record basis.

Port Format	Output Type and Trigger

C 14	**Weight Record** on a **Sort** action or **HOLD** key
	Sort action or **HOLD** key pressed, output:
	`1243 lb`
	`1234567890`
	`2005-06-05 10:53:26`

4. Menus

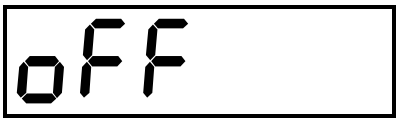
The EID program has three additional menu items that control the collection and display of EID information.

4.1 EID Active

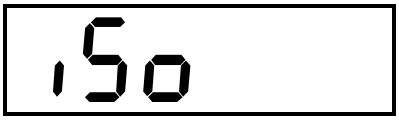
EID Active is used to enable the collection of EID information. When enabled, the Weight Indicator will monitor Serial Port 1 for input from a compatible EID reader. The **EID Active** menu is located under the **Set-Point** menu for Sorting models and under the **Report** menu for non-sorting models. With the **RAW** setting, all incoming characters from an ID reader are captured. With the **ISO** setting, only digits are captured and 15 digits are required to form a valid ID number. The **ISO** setting is recommended for use with ISO approved animal tracking tags.

Display shows **EID Active** menu option.

1. Press **ENTER**. Display shows the current **EID Active** setting. All status indicators flash.



2. Use the **MENU** keys to change to a new value.



3. Press **ENTER** to accept the new setting. Display returns **EID Active** menu option. Status indicators stop flashing.

4.2 EID Display Length

The **EID Display Length** parameter is used to specify the number of EID digits (trailing) that are displayed once a Weight Record has been saved. With an **EID Display Length** of zero (0), no EID value will be displayed. The **EID Display Length** menu is located under the Interface menu.

Display shows **EID Display Length** menu option.

1. Press **ENTER**. Display shows **EID Display Length** value. All status indicators flash.

2. Use the **MENU** keys to change value as required.

3. Press **ENTER** to accept the new value. Display returns to **EID Display Length** menu option.

4.3 EID Display Speed

The **EID Display Speed** parameter is used to specify the speed at which the EID digits are scrolled across the display (in seconds/digit) once a

Weight Record has been saved. If the **EID Display Length** is zero (0), this parameter has no effect. The **EID Display Speed** menu is located under the Interface menu.

Display shows **EID Display Speed** menu option.

1. Press **ENTER**. Display shows **EID Display Speed** value. All status indicators flash.

2. Use the **MENU** keys to change value as required.

3. Press **ENTER** to accept the new value. Display returns to **EID Display Speed** menu option.