

## A guide for: The Scale

**SHOR-LINE**  
SCHROER MFG. CO.

**▲WARNING** This product is for animal use only. We do not condone this product for other uses.

**▲WARNING** To reduce the risk of injury, the user must read and understand this guide before installation of this product.

{Save This Guide For Future Reference}

PN: 006.3312.05  
Updated: 10.03.2014



# Introduction

Thank you for purchasing Shor-Line products. As a leader in animal care equipment, our commitment to you is exactly the same as it was in 1927.

We hope this guide answers any questions you might have in regards to use, care or installation. If you can't find the answers to your questions, have further questions or would like to purchase additional products, please contact us at 800.444.1579 or 913.281.1500. If in Europe phone +44 1446 77 20 41.

Consider keeping this guide in a safe and convenient place for future assistance.

**IMPORTANT:** DO NOT ATTEMPT TO DISASSEMBLE THE SCALE OR ANY ASSOCIATED PRODUCT WITHOUT FIRST CONTACTING SHOR-LINE.

*For your safety, please follow the instructions on these labels:*

## **▲CAUTION ▲WARNING**

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**▲WARNING** This product is for animal use only. We do not condone this product for other uses.

**▲WARNING** To reduce the risk of injury, the user must read and understand this guide before installation of this product.

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## **THIS PRODUCT IS CALIBRATED AT THE FACTORY.**

Calibration is not required at initial set-up.

For questions, contact Shor-Line Technical Service at 800.444.1579 option 6.

### **▲CAUTION**

Your scale is heavy so precautions must be taken. Use two or more people when unpacking or moving.

### **▲CAUTION**

Loadcells are sensitive. Take care during installation not to bump or hit load cell feet. Do not drop.



## {Contents}

### **Section 1: Unpacking & Inspecting Shipment**

Unpacking & Inspecting Steps .....	5
Scale Parts List, Non-Table Scales .....	6
Features .....	7

### **Section 2: General Safety Precautions**

Operating Environment .....	9
Electrical Safety .....	9

### **Section 3: The Power Sources**

Power-Pak.....	9
----------------	---

### **Section 4: Choosing Where to Position Your Scale**

Considerations for All Scale Products .....	10
Considerations for the Non-Table Scales .....	10

### **Section 5: Determining the Installation Process**

Installation Processes Per Product Type .....	11
---	----

### **Section 6: Installing Your Scale, Non-Table Scales**

Mounting & Installing Scales with the Wall Mount Display .....	12
Mounting & Installing Scales with the Post Mount Display .....	13

### **Section 7: 10' Data Line Extension (Upgrade Option)**

Disconnect the Data Line .....	14
Connecting the 10' Data Line Extension .....	14

### **Section 8: Operation & Functionality**

Display with Operation Keys Controls.....	15
Display with Operation Keys Symbols .....	16
Weighing an Uncooperative Animal .....	16

### **Section 9: Testing Your Scale**

When to Test Your Scale .....	17
How to Test Your Scale .....	17

### **Section 11: Remote Display (Upgrade Option)**

Remote Display .....	20
Connecting the Remote Display .....	21
Mounting the Remote Display .....	21

### **Section 12: Shor-Connect (Upgrade Option)**

Shor-Connect.....	21
-------------------	----

### **Section 13: Blue-Line Polyurethane Edge Care & Cleaning**

Appearance & Life of the Polyurethane Edge .....	21
Polyurethane Edge Care & Cleaning Best Practices .....	21

### **Section 14: Stainless Steel Care & Cleaning**

Quality & Life of Your Product .....	21
Care & Cleaning Best Practices .....	22
Protecting Against Disease & Infection .....	22

### **Section 15: Services, Terms & Conditions, Warranty**

Terms & Conditions .....	23
Order & Acceptance .....	23
Entire Agreement .....	23
Terms Of Payment .....	23
Prices & Quotes .....	23
Taxes .....	23
Deliveries .....	23
Inspection.....	23



Product Satisfaction .....	24
Limited Warranty .....	24
Return Policy .....	25
Indemnity .....	25
Unlawful Use .....	25
Regulations And Codes .....	25
Seller's Remedies .....	25
Miscellaneous .....	25

• Blue-Line Scale, Wall Mount, Standard Blue	Item # 905.3010.05
• Blue-Line Scale, Wall Mount, Jade	Item # 905.3011.05
• Blue-Line Scale, Wall Mount, Taupe Gray	Item # 905.3012.05
• Blue-Line Scale, Wall Mount, Black	Item # 905.3013.05
• Blue-Line Scale, Post Mount, Standard Blue	Item # 905.3014.04
• Blue-Line Scale, Post Mount, Jade	Item # 905.3015.04
• Blue-Line Scale, Post Mount, Taupe Gray	Item # 905.3016.04
• Blue-Line Scale, Post Mount, Black	Item # 905.3017.04
• Blue-Line Scale, Wall Mount, Standard Blue, Shor-Connect	Item # 905.3010.07
• Blue-Line Scale, Wall Mount, Jade, Shor-Connect	Item # 905.3011.07
• Blue-Line Scale, Wall Mount, Taupe Grey, Shor-Connect	Item # 905.3012.07
• Blue-Line Scale, Wall Mount, Black, Shor-Connect	Item # 905.3013.07
• Blue-Line Scale, Wall Mount, Standard Blue, Remote Display	Item # 905.3010.08
• Blue-Line Scale, Wall Mount, Jade, Remote Display	Item # 905.3011.08
• Blue-Line Scale, Wall Mount Taupe Grey, Remote Display	Item # 905.3012.08
• Blue-Line Scale, Wall Mount, Black, Remote Display	Item # 905.3013.08
• Blue-Line Scale, Post Mount, Standard Blue, Shor-Connect	Item # 905.3014.05
• Blue-Line Scale, Post Mount, Jade, Shor-Connect	Item # 905.3015.05
• Blue-Line Scale, Post Mount, Taupe Grey, Shor-Connect	Item # 905.3016.05
• Blue-Line Scale, Post Mount, Black, Shor-Connect	Item # 905.3017.05
• Blue-Line Scale, Post Mount, Standard Blue, Remote Display	Item # 905.3014.06
• Blue-Line Scale, Post Mount, Jade, Remote Display	Item # 905.3015.06
• Blue-Line Scale, Post Mount, Taupe Grey, Remote Display	Item # 905.3016.06
• Blue-Line Scale, Post Mount, Black, Remote Display	Item # 905.3017.06
• Blue-Line RLT with Scale, Standard Blue	Item # 903.3331.00
• Blue-Line RLT with Scale, Jade	Item # 903.3331.01
• Blue-Line RLT with Scale, Taupe Gray	Item # 903.3331.02
• Blue-Line RLT with Scale, Black	Item # 903.3331.03
• Blue-Line RLT with Scale, 240V, Standard Blue	Item # 903.3331.20
• Blue-Line RLT with Scale, 240V, Jade	Item # 903.3331.21
• Blue-Line RLT with Scale, 240V, Taupe Gray	Item # 903.3331.22
• Blue-Line RLT with Scale, 240V, Black	Item # 903.3331.23
• K9-W8 Scale, Wall Mount	Item # 905.5010.43
• K9-W8 Scale, Wall Mount, Shor-Connect	Item # 905.5010.45
• K9-W8 Scale, Wall Mount, Remote Display	Item # 905.5010.46
• K9-W8 Scale, Post Mount	Item # 905.5010.47
• K9-W8 Scale, Post Mount, Shor-Connect	Item # 905.5010.48
• K9-W8 Scale, Post Mount, Remote Display	Item # 905.5010.49
• Mark IV Exam Table with K9-W8 Scale, Almond	Item # 905.6210.50
• Mark IV Exam Table with K9-W8 Scale, White	Item # 905.6210.10
• Mark IV Exam Table with K9-W8 Scale, Special	Item # 905.6210.20
• Lift Exam Table with K9-W8 Scale	Item # 916.3400.02
• Mobile Animal Lift Table with K9-W8 Scale	Item # 903.3120.02
• Kit, K9-W8 Conversion, Electric Lift Table EDS3 (1999 or newer)	Item # 805.3400.00
• Kit, K9-W8 Conversion, Mark IV EDS3	Item # 805.6210.00

## Section 1: Unpacking & Inspecting Shipment

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### {Unpacking & Inspecting Steps}

#### Step 1

Locate the Packing Slip that describes the parts and quantities shipped. Your Scale should be carefully examined upon arrival for possible damage in shipment. If any damage is found, notify Shor-Line immediately.

#### Step 2

Review Section 11: Shor-Line's Warranty Information. For more information visit: [www.shor-line.com/warranty](http://www.shor-line.com/warranty). Then click the Damages>Returns/Repairs link on the left.

#### Step 3

Be sure that all parts are contained for your Scale.

#### Step 4

Check content for concealed damage.

#### *If Concealed Damage:*

Follow instructions within Section 11: Shor-Line's Warranty Information. For more information visit: [www.shor-line.com/warranty](http://www.shor-line.com/warranty). Then click the Damages>Returns/Repairs link on the left.

Call Shor-Line immediately so we can expedite replacements or repairs.

**IMPORTANT:** After fifteen (15) calendar days of receipt of merchandise, this policy becomes void.



## { Scale Parts List, Non-Table Scales }

**\*For Features of the Tables with Scales products, refer to that particular table guide.**

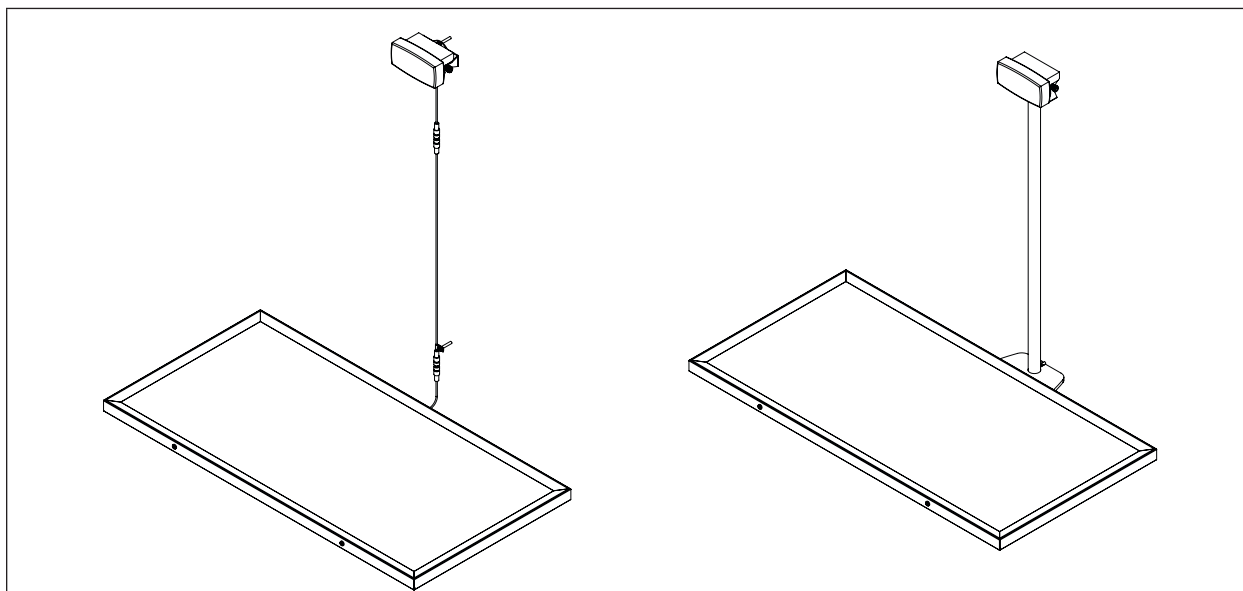
Blue-Line Scale, Post Mount Display	Blue-Line Scale, Wall Mount Display
(1) Platform, Stainless Steel with Choice Color on Edge	(1) Platform, Stainless Steel with Choice Color on Edge
(1) Display with Operation Keys	(1) Display with Operation Keys
(1) Power-Pak	(1) Power-Pak
(1) Pre-Assembled Post Mount with Vertical Brackets	(3) Wall Mount Screws
(1) Cable Clamp	(3) Anchors
(1) ¼ - 20 x ½ Truss Head Phillips	(1) Cable Clamp
(1) Screw	(1) 10' Data Line
(1) 10' Data Line	(2) Nylon Spacers
	(2) M4 Nylon Knobs
	(1) Bracket
K9-W8 Scale, Post Mount Display	K9-W8 Scale, Wall Mount Display
(1) Platform, Stainless Steel	(1) Platform, Stainless Steel
(1) Gray Rubber Mat	(1) Gray Rubber Mat
(1) Display with Operation Keys	(1) Display with Operation Keys
(1) Power-Pak	(1) Power-Pak
(1) Pre-Assembled Post Mount with Vertical Bracket	(3) Wall Mount Screws
(1) Cable Clamp	(3) Anchors
(1) ¼ - 20 x ½ Truss Head Phillips Screw	(1) Cable Clamp
(1) 10' Data Line	(1) 10' Data Line
	(2) Nylon Spacers
	(2) M4 Nylon Knobs
	(1) Bracket

Remote Display, Post Mount	Remote Display, Wall Mount
(1) Remote Display	(1) Remote Display
(1) Power-Pak	(1) Power-Pak
(1) Pre-Assembled Post Mount with Vertical Bracket	(3) Wall Mount Screws
(1) ¼ - 20 x ½ Truss Head Phillips Screw	(3) Anchors
(1) Cable Clamp	(1) Bracket
	(1) Cable Clamp
	(2) Nylon Washers
	(2) M4 Nylon Knobs

Shor-Connect	
(1) Shor-Connect Green USB Drive	(1) Shor-Connect Blue USB Drive

## {Features}

\*For additional features of the Tables with Scales products, refer to that particular table guide.



#### K9-W8 Scale with Post Mount or Wall Mount Display

Ultra low profile load cell at each corner provides accurate, reliable and repeatable weights in pounds and kilograms.

Switch from pounds to kilogram at the push of a button.

Lower frame and 2 stainless steel covers provide ample protection from routine cleaning, protects the load cells.

Load cells are rated IP65 against water ingress.

Adjustable leveling feet compensate for minor floor imperfections.

Large, easy to see backlit LCD screen with 1" high numbers.

300lb/136kg capacity.

Tare, Recall, lbs/kg, Light and Free/Lock features.

Operates on Power-Pak.

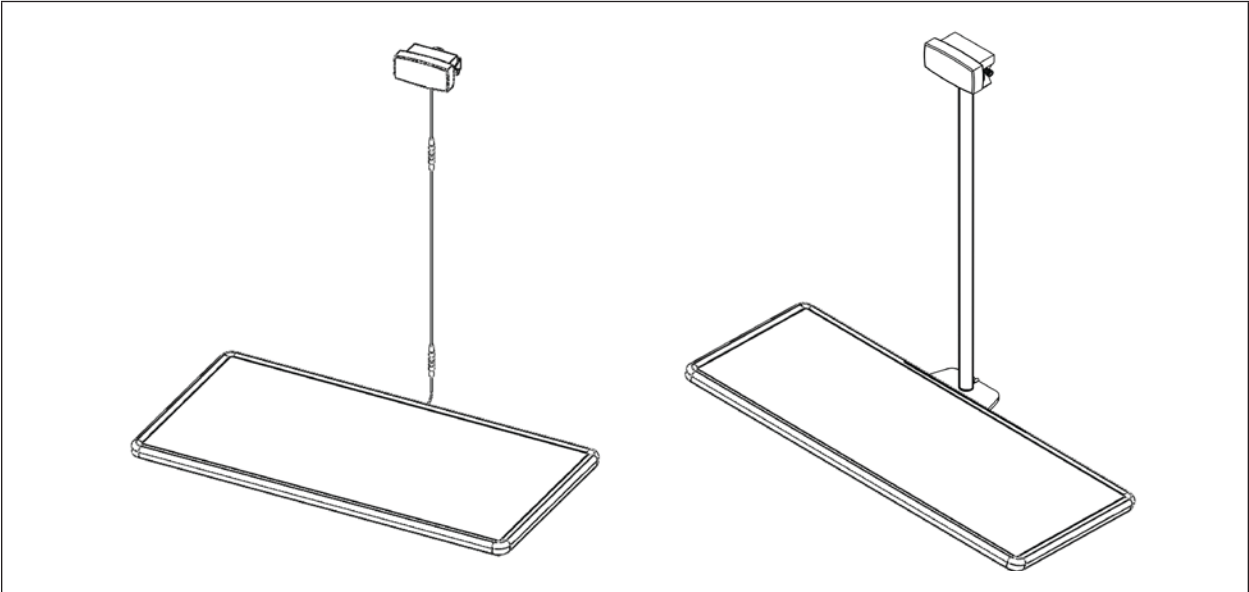
Low profile stainless steel platform is 22½"W x 44½"L x 2½" - 3" H.

Gray, ribbed, non-skid mat provides solid patient footing.

Fluid retaining lip prevents runoff.

Wall Mount display is supplied with a 10' data line to mount readout in preferred location. (Additional 10' data line extension available.)

Post display is powder coated dark grey and stands 37" high. The slim base can be slid under the scale or may be moved within reach of the 10' data line. (Additional 10' data line extension available.)



**Blue-Line Canine Scale with Post Mount or Wall Mount Display**

Offered in four colors: Standard Blue, Jade, Taupe Gray and Black.
Gently radiused corners...no sharp edges! Our Stainless Steel Blue-Line Table Top features radius corners and laminated polyurethane edging holds up to one liter of fluid.
No-Drip profile seamlessly surrounds the entire scale top.
Scale top is virtually impregnable and has been field-tested for durability.
Ultra low profile load cell at each corner provides accurate, reliable and repeatable weights in pounds and kilograms.
Switch from pounds to kilogram at the push of a button.
Lower frame and 2 stainless steel covers provide ample protection from routine cleaning, protects the load cells.
Load cells are rated IP65 against water ingress.
Adjustable leveling feet compensate for minor floor imperfections.
Large, easy to see backlit LCD screen with 1" high numbers.
300lb/136kg capacity.
Tare, Recall, lbs/kg, Light and Free/Lock features.
Operates on Power-Pak.
Low profile stainless steel platform is 22½"W x 44½"L x 2¾" - 3¼" H.
Fluid retaining lip prevents runoff.
Wall Mount display is supplied with a 10' data line to mount readout in preferred location. (Additional 10' data line extension available.)
Post display is powder coated dark grey and stands 37" high. The slim base can be slid under the scale or may be moved within reach of the 10' data line. (Additional 10' data line extension available.)



## Section 2: General Safety Precautions

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### {Operating Environment}

- Operating Temperature: -1°C to 50°C (30.2°F to 122°F)
- Humidity: <90% non-condensing
- Operating Voltage: Standard Power Input: 7 to 24 VDC. 4.8, 7.2, 9.6, 12
- Variants - Power-Pak: 110/240 VAC 50/60Hz in 24 VDC 1.25A out

### {Electrical Safety}

- For your protection, all mains electrical hardware must be rated to the environmental conditions of use.
- Pluggable equipment must be installed near an easily accessible power socket outlet.
- To avoid possibility of electric shock or damage to the instrument, always switch off or isolate the instrument from the power supply before maintenance is carried out.
- Display is not to be subject to shock, excessive vibrations or extremes of temperature (before or after installation).
- Inputs are protected against electrical interference, but excessive levels of electro-magnetic radiation and RFI may affect the accuracy and stability.
- For full ECM or for RFI immunity, termination of cable shields and correct earthing of the instrument is essential.
- The display and load cell cable is sensitive to excessive electrical noise. Install well away from any power or switching circuits.

## Section 3: The Power Sources

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### {Power-Pak}

The Power-Pak is included with your purchase. The display's rear enclosure has a power input socket on the side that will directly power the display. To power the display at any time, insert the Power-Pak into an electrical outlet.



## Section 4: Choosing Where to Position Your Scale

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### {Considerations for All Scale Products}

When making the decision where to place your Scale, keep the following precautions in mind:

- The display must be within 6' of an electrical outlet or the use of an extension cord may be required.
- Display with Operation Keys (Post & Wall Mount) must be within 10' of the platform or table top and 6' of an outlet because of the data line length. (10' data line extensions are available for additional purchase. Contact Technical Services at 800.444.1579 Option 6.)
- Scales should be placed on level surfaces. This helps ensure a more accurate weight reading.
- Make sure that there is at least 1" clearance on all sides of the scale to prevent outside objects from interfering with the accuracy of the reading.
- It is not recommended to place scales on carpet as it could provide an inaccurate reading.

NOTE: Ensure that all cables are free from the platform or table and that the platform or table has not been placed on top of any cords or foreign objects.

### {Considerations for the Non-Table Scales }

When making the decision where to place your Scale, keep the following precautions in mind:

- If recessing in the floor, ensure that water (whether from cleaning, mopping or other sources) cannot build-up.
- The platform should be set on a level surface. The adjustable leveling feet are not meant to counteract intense slopes in the floor.

NOTE: Ensure the four adjustable leveling feet touch the floor underneath the platform to prevent wobbling.

## Section 5: Determining the Installation Process

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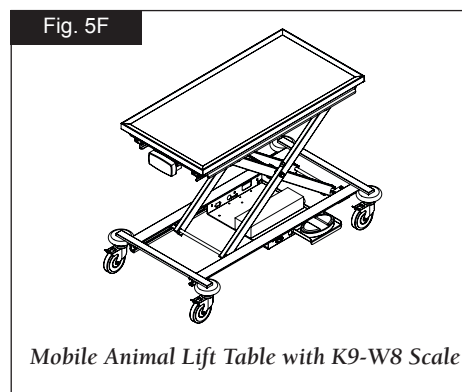
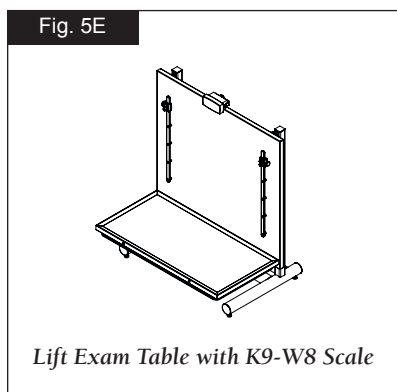
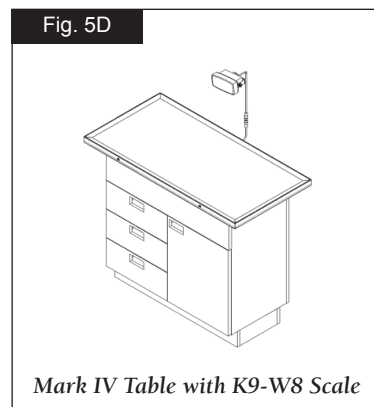
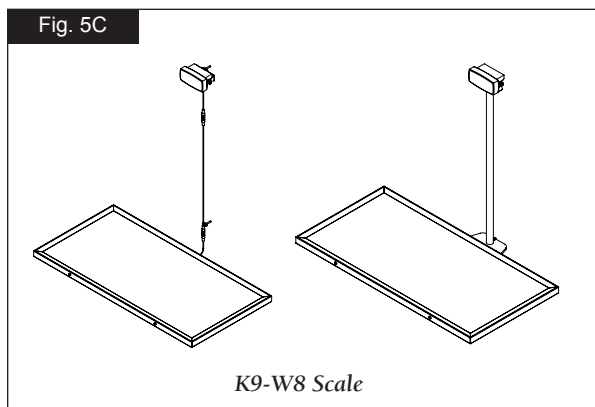
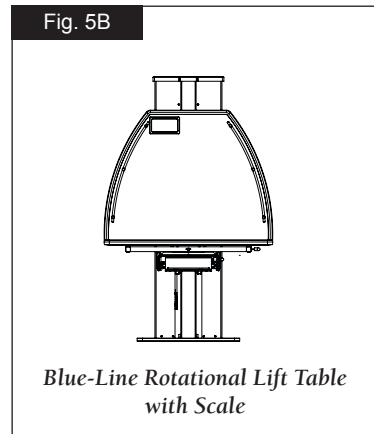
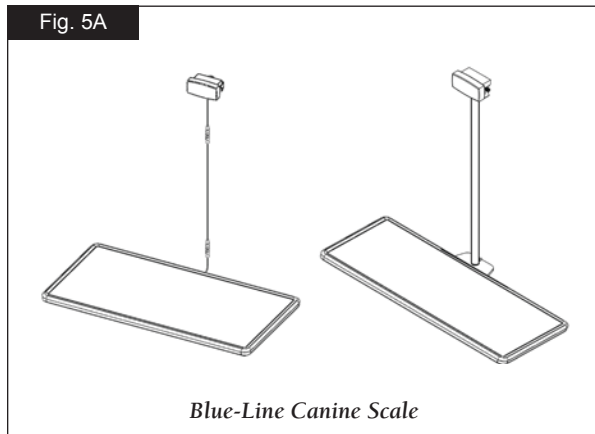
### {Installation Processes per Product Type}

Installation of your K9-W8 Scale can vary depending on the product purchased. Please see the list below to know where to begin installation of your K9-W8 Scale.

- *Blue-Line Canine Scale with Wall/Post Mount Display*: Refer to Section 6 for installation steps. (Fig. 5A)
- *Blue-Line Rotational Lift Table with Scale*: The Scale for this product does not require mounting or installation. (Fig. 5B)
- *K9-W8 Scale with Wall/Post Mount Display*: Refer to Section 6 for installation steps. (Fig. 5C)
- *Mark IV Exam Table with K9-W8 Scale*: Refer to your Mark IV Exam Table with K9-W8 Scale guide for mounting instructions. (Fig. 5D)
- *Lift Exam Table with K9-W8 Scale*: The K9-W8 Scale for this product does not require mounting or installation. (Fig. 5E)
- *Mobile Animal Lift Table with K9-W8 Scale*: The K9-W8 Scale for this product does not require mounting or installation. (Fig. 5F)

**▲CAUTION** The K9-W8 Scale is designed to operate on the floor, mounted on our Mark IV Table and integrated into the Mobile Animal Lift Table, Lift Exam Table and Blue-Line Rotational Lift Table. Serious accidents can occur if your platform is not sufficiently supported. We do not recommend placing or mounting the scale anywhere besides these locations.

**▲CAUTION** This scale weighs approximately 50 lbs so precautions must be taken when lifting. Use two or more people when unpacking your shipment. We encourage each person to wear a back support.





## Section 6: Installing Your Scale, Non-Table Scales

### {Mounting & Installing Scales with the Wall Mount Display}

NOTE: Diagrams in this section depict only the K9-W8 Scale. These steps also apply for the Blue-Line Canine Scale.

#### Step 1: Confirm Position of Your Scale

When positioning your scale there are factors to consider. If you haven't already, read over Section 4 of this guide.

#### Step 2: Choose a Display Location

The Scales with Wall Mount Display are very versatile in their ability to be placed in a location of your preference. With the Wall Mount Display, the display can either be mounted on a wall or placed on a desk, table or counter. When choosing the location of the display, remember to keep the display within 10' of the platform (unless an additional 10' data line extension has been purchased). Also make sure an electrical outlet is within 6' of display.

*If positioning somewhere other than mounting to a wall, set the display so that it is upright on a level surface and skip Steps 3-4.*

#### Step 3: Mount the Display Bracket to a Wall

*If a wall stud is available:*

Use (2) of the #8 x 1.5 pan head Phillips sheet metal screws provided in the hardware kit to mount the bracket to the desired location on the wall.

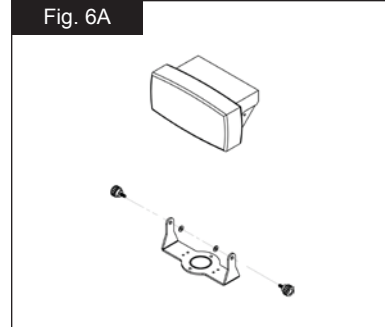
*If a wall stud is NOT available:*

Use (2) of the #8 x 1.5 pan head Phillips sheet metal screws and (2) of sheetrock anchors provided in the hardware kit to mount the bracket to the desired location on the wall.

#### Step 4: Attach the Display to the Bracket

Attach the display to the bracket using the M4 x 10MM nylon knobs and the nylon washers. Place a washer on the inside of the bracket arms and screw the knobs through the bracket hole and into the holes on either side of the display.

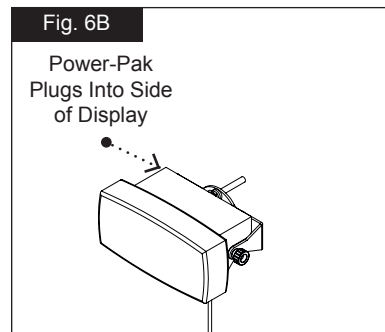
(Fig. 6A)



#### Step 5: Connect the Power Source

To power your display, the use of the Power-Pak (included) is required.

(Fig. 6B)



#### Step 6: Set the Platform

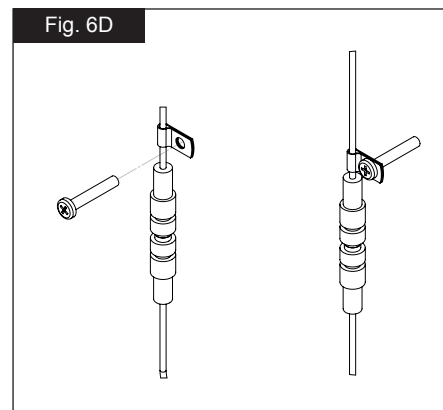
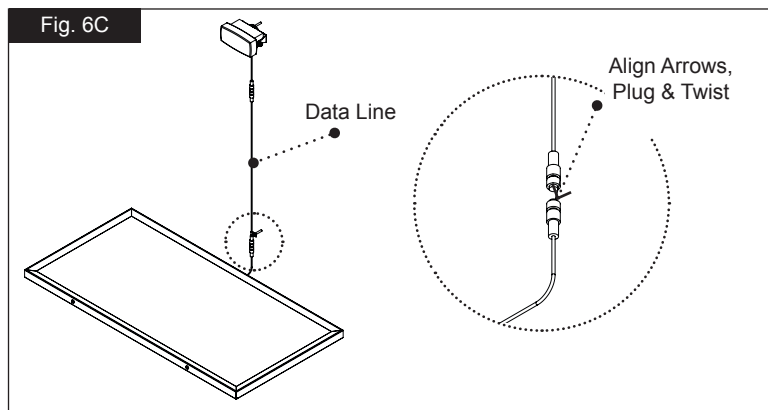
Make sure that the platform is sitting on a level surface. The four scuff pads underneath must touch the floor so that the platform doesn't wobble. If necessary, turn the adjustable leveling screws until each pad touches the floor.

### Step 7: Connect the Data Line

Connect the display to the platform by plugging in the data line from the display to the data line exiting from the back of the platform. Line up the arrows on the ends of the data line, push together and turn clockwise to tighten. (Fig. 6C)

### Step 8: Secure the Data Line

Once you have connected the data line, you can use the last mounting screw, sheetrock anchor and cable clamp to secure the line. This can be done by placing the clamp on the data line and inserting the screw in the cable clamp slot and fastening to the wall. (Fig. 6D)



## { Mounting & Installing Scale with the Post Mount Display }

NOTE: Diagrams in this section depict only the K9-W8 Scale. These steps also apply for the Blue-Line Canine Scale.

In a separate container, you will have received the items needed for the Post Mount Display. This Post Mount comes pre-assembled with a bracket already attached to the post.

### Step 1: Confirm Position of Your Scale

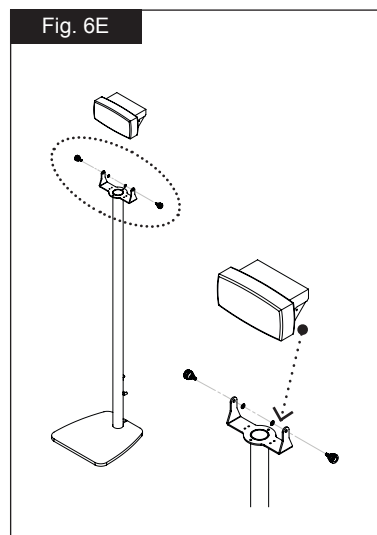
When positioning your scale there are factors to consider. If you haven't already, read over Section 4 of this guide.

### Step 2: Choose a Display Location

When choosing the location of the display, remember to keep the display within 10' of the platform (unless an additional 10' data line extension has been purchased). Also make sure an electrical outlet is within 6' of display.

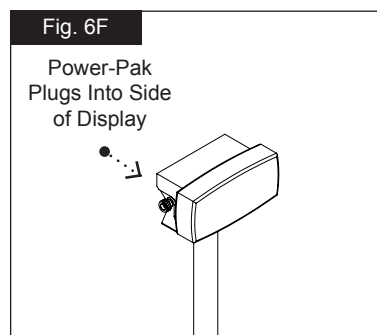
### Step 3: Attach the Display to the Bracket on the Post

Attach the display to the bracket on the top of the post using the M4 x 10MM nylon knobs and the 2 nylon washers. Place a washer on the inside of the bracket arms and screw the knobs through the bracket hole and into the holes on each side of the display. (Fig. 6E)



### Step 4: Connect the Power Source

To power your display, the use of the Power-Pak (included) is required. (Fig. 6F)



**Step 5: Connect the Data Line**

The data line runs from the display down through the center of the post and out the bottom. Connect the display to the platform by plugging in the data line from the display module to the data line exiting from the back of the platform. Line up the arrows on the ends of the cables, push together and turn clockwise to tighten. (Fig. 6G)

**Step 6: Secure the Data Line**

Once you have connected the data line, use the cable clamp and the ¼ - 20 x .500 truss head Phillips screw provided in the hardware package to secure the data line to the base of the post mount. Place the cable clamp on the data line, put the screw through the hole of the clamp and insert the screw on the base of the post mount and tighten. (Fig. 6H)

Fig. 6G

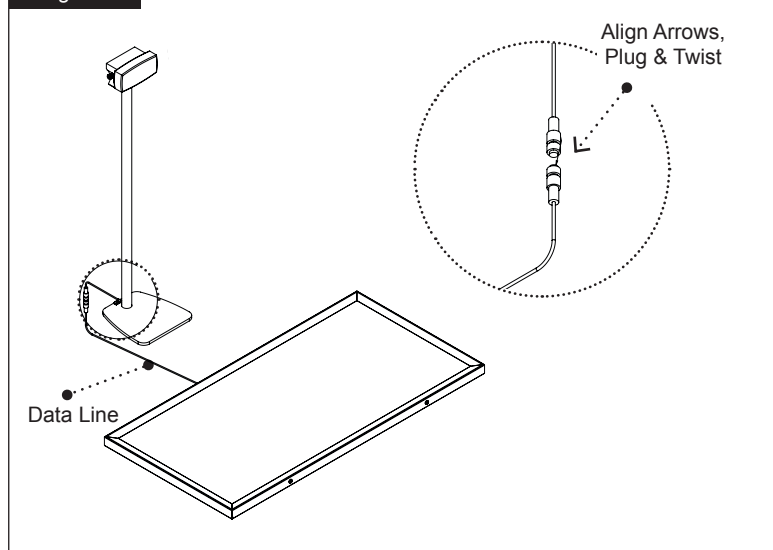
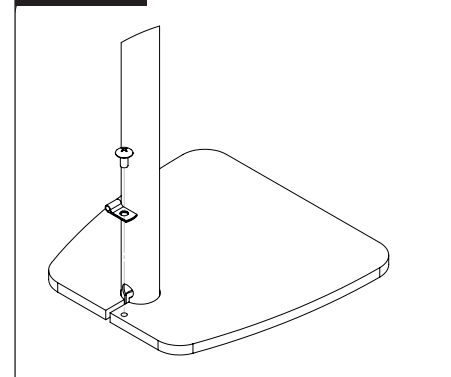


Fig. 6H



## Section 7: 10' Data Line Extension (Upgrade Option)

### {Connecting the 10' Data Line Extension}

All Scale Packages include 10' data line between the Display with Operation Keys and the Platform. Additional 10' data line extensions are available for purchase. Contact Technical Services at 800.444.1579 Option 6.)

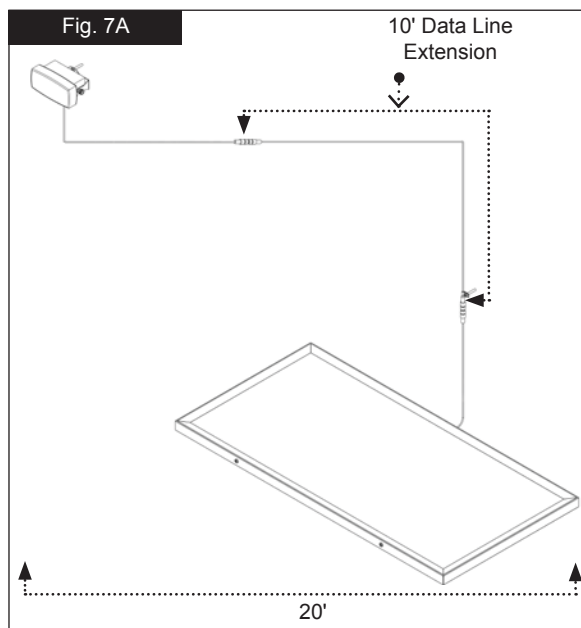
#### Step 1: Disconnect the Data Line

Disconnect the data line from the display to the platform.

#### Step 2: Connecting the 10' Data Line Extension

Connect one end of the 10' data line extension to the displays data line and the other end of the 10' data line extension to the platform. (See Section 6, Steps 5 & 6 to ensure a proper connection.)

The result will be two connection points between the display and platform extending the maximum distance of the display another 10' from the platform. (Fig.7A)





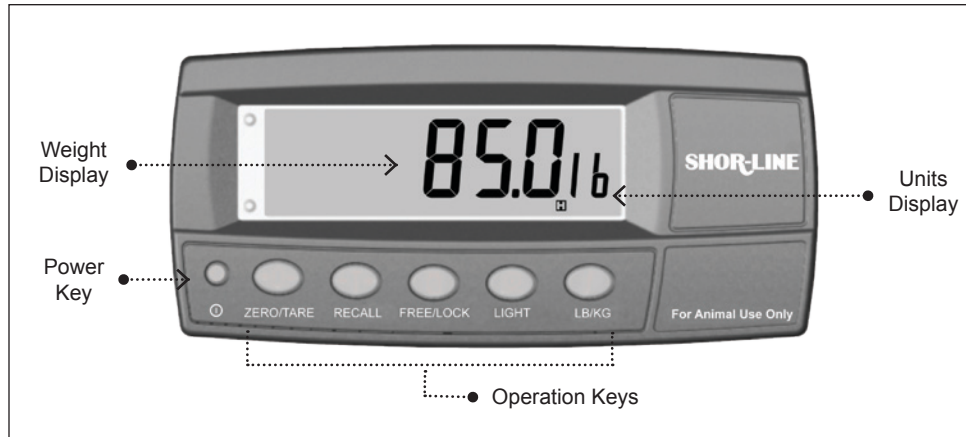
## Section 8: Operation & Functionality

### THIS PRODUCT IS CALIBRATED AT THE FACTORY.

Calibration is not required at initial set-up.

For questions, contact Shor-Line Technical Service at 800.444.1579 option 6.

### {Display with Operation Keys Controls}



Your scale readout is a precision digital indicator using the latest Sigma-Delta A/D technology to ensure accurate weight readings.

The following display functions are also included in the Scale Supplement (included with your shipment). This supplement is meant to be used for day to day operation of the scale.

Warning: Please review the function of the operation keys as some of the keys have multiple functions, (i.e. long press or a short press can provide different results)

#### {Power}

The <POWER> key is used to turn the instrument on and off.

- **To initially turn the instrument ON:** Press and hold the <POWER> key until the display starts up.
- **To Turn the instrument OFF:** Press and hold the <POWER> key for three seconds. The instrument will display **OFF** followed by the three-second countdown.
- **Power-Pak:** With the Power-Pack plugged in the backlight automatically stays on until the scale is turned off or until the backlight is turned off via the <LIGHT> key. (See the <LIGHT> key functionality section to learn more.)

#### {Zero/Tare}

The <ZERO/TARE> key is used to perform a Zero adjustment with 100% range on the scale display when an empty scale has drifted away from a true zero reading.

- The Zero adjustment is stored when power is removed and is re-used when next powered up.
- **Long Press** of the <ZERO/TARE> key will remove any stored zero adjustment.

#### {Recall}

The <RECALL> key will recall the previously HELD weight (manual or automatically generated) for 5 seconds. The <RECALL> function will time out 2 minutes after the last animal weighing.

#### {Free/Lock}

The <FREE/LOCK> function controls the weighing algorithm that analyses the weight data of a moving animal and



calculates a HELD or LOCKed weight.

- Long Press: A long press of the **<FREE/LOCK>** key will toggle the automatic HOLD function On/Off.
- LOCK = Automatic HOLD: As soon as an animal is placed on the scale the instrument will flash the “H” annunciator and automatically capture a stable weight. When captured the “H” flashing stops and the weight is held (LOCKed) on the screen until the animal is removed. A short press of the **<FREE/LOCK>** key forces a recalculation of the animal weight. After the animal is removed from the scale the weight will return to within the zero band and a normal weight reading of 0.00 will be displayed.
- FREE = Manual HOLD: In the FREE mode a short press of the **<FREE/LOCK>** key will capture the instantaneous displayed weight as the HELD weight. This is useful for operators that prefer to use their own judgment as to when to capture the weight manually. As with the automatic hold function when the weight returns to within the zero band a normal weight reading of 0.00 will be displayed.





### {Light}

- In AC Mode: Used to adjust backlight intensity (Off/Lo/Hi). “Hi” intensity will be the default.

### {LB/KG}

Press and hold the **<LB/KG>** key to toggle units of measure from Lb. to Kg.

## {Display with Operation Keys Symbols}

	<b>Zero</b>	Visible when the gross reading is within $\pm \frac{1}{4}$ of a division of true zero.
	<b>Motion</b>	Visible when the displayed reading is not stable.
	<b>Zero Band</b>	Visible when the displayed weight is within the zero 'dead' band setting. (The zero band symbol shows near the top right corner of the display.)
	<b>Hold</b>	Visible when the displayed reading is held.

## {Weighing an Uncooperative Animal}

The Zero/Tare button can be used for weighing uncooperative animals. You can weigh the animal by placing it into a portable cage, animal holder or by having an assistant hold it.

### *Steps for Weighing an Uncooperative Animal:*

#### **Step 1**

Turn on the scale. The **<Zero/Tare>** function can be used in the Free or Lock mode. For our example we'll push and hold the **<Free/Lock>** button to set the scale into lock mode.

#### **Step 2**

If using a cage or animal holder, place this container empty on to the scale. If using an assistant, have that person stand on the platform empty handed.

The display will "lock" onto the weight in one second.

#### **Step 3**

As the weight is being displayed. Push the **<Zero/Tare>** button to reset the LCD screen to 0 lbs.

For example, let's say your assistant weighs 160 lbs. This weight will be displayed on the screen until the **<Zero/Tare>** button is pushed at which point the scale will read 0 lbs. Even with your assistant still standing on the scale.

#### **Step 4**

If using a cage or animal holder place the animal inside the container. If using an assistant, hand that person the animal.



### Step 5

The display will "lock" onto the animal's weight in about 5 seconds. It will display only the weight of the additional load (animal).

When the cage or animal holder is removed from the platform (or the assistant steps off the platform), the display will show the negative weight of the animal holder or the assistant. Another animal can then be weighed by placing the same (or an identical) cage or animal holder onto the scale with an animal, or by using the same assistant.

### Step 6

After this type of weighing is complete, return the scale to its standard functionality by first removing all objects from the scale platform. When the display reads --/Tare, you can then push the <Zero/Tare> button and the scale will return to the standard zero weight. After it reads zero weight, it is ready for standard weighing without the use of an animal holder or assistant.

## Section 9: Testing Your Scale

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### {When to Test Your Scale}

Your scale was calibrated in our factory and should measure accurately. Occasionally though your scale should be tested to ensure that it is weighing correctly. We recommend testing:

- Each time the platform is moved from one spot to another.
- Each time the platform is turned on its side (after initial installation).
- Once a month.

### {How to Test Your Scale}

Place an object with a weight that is known on your scale. An empty one gallon plastic container normally used for milk, water, tea, ect. are great for this purpose. A one gallon plastic container full of water is approximately 8.56lbs when filled to the very top.

If the weight displayed is significantly off from the known weight (more than 2%), it may be necessary to calibrate your Scale. See Section 10 (page 18).

## Section 10: Calibration

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### {How to Calibrate Your Scale}

If you have determined that your Scale is not displaying the correct weight after testing, the following steps should be taken to recalibrate the Scale.

**NOTE:** To perform calibration, you must have a known weight. Shor-Line recommends a 50 lb. weight. If a known weight is not available, Shor-Line recommends using a one gallon plastic container filled with liquid, like a milk jug. A one-gallon plastic container is approximately 8.56 lbs. when filled to the very top. To perform calibration, it is suggested that a minimum of three containers be used to total 25.68 lbs.

#### Step 1

Remove all weight from Scale.

#### Step 2

Press the Power button and "LB/KG" button simultaneously for two seconds to access Full Setup mode.

**NOTE:** Scale Display will flash "Full Setup" and then "Filter." Wait for these before proceeding.

#### Step 3

Press the "ZERO/TARE" key until Scale Display reads "ZERO."

#### Step 4

Press the "RECALL" key. Display will flash the current weight.

#### Step 5

Press the "FREE/LOCK" key. Display will flash "Z in P" (Zero in Process) and then "00.0".

**NOTE:** Wait 5-10 seconds for "00.0" to flash on the the Scale Display before proceeding.

#### Step 6

Press the "ZERO/TARE" key to return to ZERO menu and once more to display the SPAN menu.

#### Step 7

Press the "RECALL" key. Display will flash the current weight.

#### Step 8

Press the "FREE/LOCK" key. Display will flash the last amount used to calibrate Scale. Enter current weight amount you are using to calibrate.

**NOTE:** "FREE/LOCK" key will select the digit. "LIGHT" will edit the digit (scroll up).

#### Step 9

Add calibration weight to the Scale (i.e. 25.68 lbs if using three one-gallon plastic containers).

**NOTE:** Wait 5-10 seconds for the Scale to accept the weight before proceeding.

#### Step 10

Press the "LB/KG" key to accept the weight value and perform calibration. The display will show "S in P" (Span in Process) and then will flash the calibrated weight.

#### Step 11

Press the Power button and "LB/KG" keys simultaneously for two seconds to save the settings and exit.

**NOTE:** If the Scale displays an error code or continues to display incorrect weight, please call Shor-Line's Technical Service Department at 800-444-1579, option 6, for additional assistance.



## Section 11: Remote Display (Upgrade Option)

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### {Remote Display}

The Remote Display extends the functionality of the scale by mirroring the Display Readout with Operation Keys. This functionality allows the Remote Display to be placed in another location. It can be mounted on the wall or a post and is designed to sit flat on a table top. If you have purchased the Remote Display, please follow steps 1-5.



- This Display Does Not Have Operation Keys like the Display with Operation Keys. See page 15, Section: Operation & Functionality.

### {Connecting the Remote Display}

#### Step 1

Turn on the Display with Operation Keys first by applying power and pushing the “on” button.

#### Step 2

Zero the Display with Operation Keys. By pressing the zero button to zero it home.

#### Step 3

Decide on a location for the Remote Display. Shor-Connect utilizes a wireless signal similar to a cell phone to transfer data to and from the scale. The signal strength and distance can vary based upon the structural surroundings.

#### Step 4

The Remote Display comes with a wall bracket and all hardware necessary to mount to the wall. The wall mounting procedure is the same as for the Display with Operation Keys. If the bracket is removed the Remote Display can be placed on a desk or tabletop. Post Mount is also available. See: Page 12, Section 6: Installing Your Scale, Non-Table Scales.

#### Step 5

With the Display with Operation Keys powered up and zeroed, apply power to the Remote Display. This is done by plugging the Power-Pak into a wall outlet and the other end into the receptacle on the Remote Display.

Communication should be established within a few seconds. This will be confirmed by a solid blue light emitted from each display. If either display or both flash blue the connection is not established. Move the display closer and try to re-establish the connection.

Once a connection is established the Remote Display will clone the information on the Display with Operation Keys. If connectivity is lost for some reason the blue light will flash. To re-establish the connection, press the reset switch on the side of the display.

### {Mounting the Remote Display}

For Instructions for mounting the Remote Display See: Page 12, Section 6: Installing Your Scale, Non-Table Scales.

## Section 12: Shor-Connect (Upgrade Option)

### {Shor-Connect}

Utilizing wireless technology you can now see a patient's weight instantly on a PC. If you have purchased Shor-Connect, please refer to the Shor-Connect Installation Guide.

## Section 13: Blue-Line Polyurethane Edge Care & Cleaning

### {Appearance & Life of the Polyurethane Edge}

Polyurethane moldcast edges are generally stain resistant to most compounds or staining agents found in the office, food and health care industries.

**IMPORTANT:** Routine maintenance will ensure quality and life of your long-term investment and protect animals from transmittable disease and infection.

**IMPORTANT:** To safeguard your investment and rights to the Shor-Line's Warranty, it is important that you know factors that degrade the polyurethane edging. Permanent damage to the edge due to corrosion, pitting or discoloration can occur from:

- Bacteriostatic agents such as Iodine and Betadine have the greatest staining potential and care should be exercised to avoid exposing the edging to these.
- Harsh cleaners with abrasive additives (such as high concentrations of Bleach) have the potential to corrode or discolor the edging.
- Sharp metal objects, sandpaper or hard bristle brushes can cause pitting in the edging if used to try to remove stains.

### {Polyurethane Edge Care & Cleaning Best Practices}

**IMPORTANT:** You play an essential role in safeguarding your investment and rights to Shor-Line's Warranty. We strongly recommend the following best practices to help maintain the appearance of the polyurethane edging:

- Ordinary soiled edges caused by normal use can be cleaned with a damp cloth or sponge and Clorox® Clean-Up Cleaner with Bleach or Formula 409®.
- For stains, if a scrub brush is used, make sure it is a soft bristle type to prevent scratching.
- Successive cleaning may be required using a soft bristle brush and 70% Isopropyl Alcohol.
- Make sure all surfaces are rinsed properly.
- Follow instructions for use on all cleaning products used.

## Section 14: Stainless Steel Care & Cleaning

### {Quality & Life of Your Product}

**IMPORTANT:** Routine maintenance will ensure quality and life of your long-term investment and protect animals from transmittable disease and infection

**IMPORTANT:** To safeguard your investment and rights to the Shor-Line's Warranty, it is important that you know factors that degrade stainless steel. Corrosion, pitting, and discoloration can occur if:

- Bleach, deodorizing agents, disinfectants, and sanitizers (chlorides, bromides, iodides and thiocyanates) stand wet on your product for a prolonged period (over two minutes).
- Bleach, deodorizing agents, disinfectants, and sanitizers are used frequently without being neutralized with clean water after each application.
- Acidic urine is not removed rapidly and surfaces are not washed thoroughly.
- Animal hair, holding urine and fluids, is allowed to collect around legs, hinges, casters, and welded wire intersections.



- Solutions like liquid bleach and antibacterials are allowed to evaporate and dry on surfaces.
- Particles from steel wool, metal fiber brushes, or metal scrapers (which are never recommended for cleaning stainless) get embedded in your product's surface, rust, and give the false impression that the stainless steel is defective.
- Your water source (local or well) is heavy in iron content and water is allowed to dry on your product.
- High levels of pollution (automotive exhaust, aggressive gases, soot, iron oxides, chemicals, etc.) or chloride (from sea or de-icing salts) exist in the environment and frequent, thorough cleaning (manual or rain-washing) does not occur.

## {Care & Cleaning Best Practices}

IMPORTANT: You play an essential role in safeguarding your investment and rights to Shor-Line's Warranty. We strongly recommend:

- Daily or weekly cleaning of stainless steel to prolong its longevity and value and to help you maintain its finish.
- Using the mildest cleaning procedure that will do the job effectively.
  - Ordinary waste deposits and fluids can usually be removed with soap and water. Rinse thoroughly with clear water and dry completely with a soft cloth to discourage water spotting.
  - Minor scale build up and some hard water spotting can be removed by washing with vinegar followed by a clear water rinse and thorough drying.
  - If rubbing, brushing, or scraping is required, use only stainless steel wool, brushes with plastic, nylon or stainless steel fibers, and scrubbers made of plastic or nylon. Ordinary steel wool or steel brushes should never be used.
  - Stubborn deposits or tightly adhering debris may require a commercial cleaning product. Scouring powders will scratch stainless and should not be used. Always review label statements on cleaning products regarding use on metals.
  - Cleaning is not completed until fresh water has been used to thoroughly rinse all residue of salt, bleach, deodorizing agents, disinfectants, and sanitizers.
- Rubbing, drying, and polishing should always be in the direction of the product's grain so scratches will blend into the surface. Efforts opposite the grain may produce a scratched surface appearance.
- Rubbing a soft cloth moistened with olive oil, undiluted white or cider vinegar, or club soda may brighten stainless steel and help remove surface streaks and heat stains.
- Never use paint, lacquer, or varnish as a substitute or shortcut for properly caring and cleaning stainless steel.
- Never intentionally stamp or etch stainless surfaces.

## {Protecting Against Disease & Infection}

IMPORTANT: Shor-Line shares your commitment to health and safety. This information is intended help protect your animals, as well as, safeguard your investment.

- Bleaches can be harmful to animals. Bleaches can react with acids and release chlorine gas that is highly toxic.
- Because of its strong corrosive and toxic properties, bleach is diluted with water. The solution's potency (shelf-life) quickly degrades as the active chlorine dissipates with water. Animal care professionals, therefore, cannot know with certainty how effective the bleach solution is over time without implementing a formal monitoring system.
- If chemical deodorizers, disinfectants, or sanitizers are used, protect your animals from respiratory problems and infections by using clean water to wash residue from all surfaces and dry thoroughly.
- Clorox® Company warns: "We cannot recommend Clorox® to clean metal surfaces, including stainless steel. Prolonged or repeated exposure of metal to strong solutions of our product eventually can cause discoloration or corrosion. To reduce the possibility of metal discoloration, we suggest that exposure time to Clorox® be less than five minutes and that surfaces be rinsed well after application of the solution."

## Section 15: Services, Terms & Conditions, & Warranty

### {Terms & Conditions}

**ORDER & ACCEPTANCE** By submitting an order for the products described herein, Buyer shall have agreed to purchase the products subject to all Seller's terms including these TERMS and CONDITIONS. Buyer's order is subject to and effective only upon acceptance and approval at Seller's offices in Kansas City, Kansas as evidenced by Seller's issuance of an Order Acknowledgement or Invoice. Processing of an order shall not commence until receipt of any applicable deposit and all required paperwork and customer sign-offs. The resulting contract shall be deemed made in Kansas and shall in all respects be governed and interpreted according to the laws of the State of Kansas. Buyer also consents to the jurisdiction of Kansas courts over any dispute involving this order.

**ENTIRE AGREEMENT** This order as accepted and approved by Seller constitutes the entire final agreement between the parties. Except as otherwise provided in writing by Seller, the terms set forth herein constitute the sole TERMS AND CONDITIONS for Buyer's order. Seller's acceptance of Buyer's order is expressly conditioned on Buyer's assent to these TERMS AND CONDITIONS which may not be supplemented, modified, superseded or otherwise altered except as authorized in writing by Seller. Any different, conflicting or additional terms in Buyer's purchase order or any other document of Buyer are rejected and Seller's TERMS AND CONDITIONS shall prevail.

**TERMS OF PAYMENT** Unless otherwise expressly specified by Seller in writing, payment shall be due 30 days from the date of invoice, payable in U.S. Funds. Seller reserves the right to negotiate terms or orders of any unique or special nature and may require full or partial payment in advance in its sole discretion. Acceptance of all orders and the payment terms for such orders are subject to approval by Seller's Credit Department. Seller may decline to make any shipment or perform any work except upon terms satisfactory to said Department. A charge of 1½% per month (or the highest monthly interest rate that may be imposed under applicable law) will be imposed on overdue accounts. Buyer will be liable for all expenses (including reasonable attorneys' fees) incurred in collecting any overdue accounts.

**PRICES & QUOTES** Prices on products specified herein are F.O.B. Seller's factory unless otherwise specified in writing and are exclusive of any city, state, local or federal tax. Prices are subject to adjustment without notice and Seller reserves the right to correct errors in prices or specifications. Any quotation (whether written or oral) is not an offer to contract or acceptance of an order. Similarly, neither a price list nor a catalog constitutes an offer to sell or contract, but are provided solely for customers' convenience.

**TAXES** Any sales, use, property, or other taxes or duties which Seller may be required to pay or collect (under any existing or future law) in connection with the sale, purchase, delivery, storage, processing, consumption or use of the products purchased herewith shall be for the account of Buyer and Buyer shall promptly reimburse Seller therefore.

**DELIVERIES** Delivery dates are estimates only and time shall not be of the essence unless specifically provided by Seller in writing. Seller will not have any liability for loss or damage resulting from a delay in a scheduled delivery or for non-delivery resulting from labor trouble, part or material shortages, accident, fire, war, strike, natural disaster, carrier delays or any contingency whatsoever (whether of the same class of those enumerated or otherwise) beyond its reasonable control. Buyer assumes all freight, handling and installation costs and the risk of loss or delay in transit. Seller will assist Buyer with transit arrangements, but Seller shall be free of any liability in connection therewith. Title to all materials and products sold by Seller shall pass to Buyer upon delivery to the carrier and Seller's responsibility ceases at that time. Risk of loss, injury, or destruction of the products shall be borne by the Buyer and any such loss, injury or destruction shall not release Buyer from payment of the purchase price.

**INSPECTION** Buyer must inspect all materials for shortages, damages, conformity with order and defects before signing any documentation requested by the carrier. Buyer must immediately complete such inspection and shall not accept delivery of goods that are damaged or not in accordance with the bill of lading or packing slip without proper notification to the carrier and Seller. If goods are damaged, defective, shorted or appear not to conform to the order, Buyer shall discontinue their use and immediately notify the carrier and Seller of such condition and afford a reasonable opportunity to inspect the same. Buyer shall make, or provide Seller in writing with all information necessary to make, a claim against such carrier for any shortage, damage, or discrepancy of the shipment within fifteen (15) days after receipt of the goods. Claims or written information thereon not so presented within fifteen (15) days after receipt of the goods will not be allowed. No products will be taken back and credited or replaced unless arrangements for their return have been made in compliance with Seller's Return Policy stated below. SEE SELLER'S CATALOG FOR INFORMATION ON HOW TO FILE A FREIGHT CLAIM.





PRODUCT SATISFACTION In the event Buyer is not fully satisfied with the quality or workmanship of a product purchased hereunder, Seller in its sole discretion may arrange either to credit Seller's account (excluding shipping and handling costs) or replace the product. However, Buyer must notify Seller in writing of its dissatisfaction within fifteen (15) days of receipt of the product from Seller and immediately discontinue its use. Buyer also must return the rejected product to Seller freight paid within thirty (30) days of its receipt in compliance with Seller's Return Policy stated below. Seller's obligation is limited to providing the applicable credit or product replacement, which will be processed only after receipt of the returned product. In addition, this Product Satisfaction policy does not apply to specially designed, discontinued, used, factory second or repaired products.

LIMITED WARRANTY Seller warrants to the initial purchaser only of products manufactured by it that such products are free from defects in materials or labor for varying periods depending on the particular product and subject to the limitations and conditions set forth herein. Seller's stainless steel products are warranted to be free from such defects for their normal useful life. Seller's mechanical and electrical products, parts, devices and components (including such parts, devices and components of stainless steel products), and other-non-stainless steel products are warranted to be free from such defects for only one year. Seller disclaims any express or implied warranty for products not manufactured by Seller and the only warranty available therefore to Buyer is that offered by the products' manufacturers.

The warranty period shall run from the date of delivery to Buyer. If within the applicable warranty period a product proves to be defective as described herein, Seller will repair or replace the product, at Seller's sole discretion, conditional upon Buyer's written notice of the defect within fifteen (15) days after its discovery. Upon receipt of Buyer's notice including substantiation of Buyer's status as the initial purchaser and details of the defect, Seller shall advise Buyer whether it plans to repair or replace the product. Seller's obligation is solely limited to repair or replacement of a defective product and in no event shall Seller be liable for transportation from or to Seller's offices or any other expense which may arise in connection with this Limited Warranty or the aforementioned Product Satisfaction policy.

SELLER MAKES NO OTHER WARRANTY OR GUARANTEE OF ANY KIND WHATSOEVER, WHETHER EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE INCLUDING, BUT NOT LIMITED TO IMPLIED WARRANTIES OF FITNESS, AND/OR MERCHANTABILITY. THE ABOVE LIMITED WARRANTY CONSTITUTES SELLER'S ONLY WARRANTY AND NO PERSON OR ENTITY IS AUTHORIZED, ON BEHALF OF THE SELLER, TO MODIFY OR EXPAND UPON THE PROVISION EXPRESSED IN THIS PARAGRAPH NUMBER NINE. THE SELLER'S LIABILITY UNDER THIS LIMITED WARRANTY SHALL BE LIMITED AS PROVIDED FOR ABOVE AND THE FOREGOING SHALL BE THE BUYER'S SOLE REMEDY AND RECOURSE UNDER THIS CONTRACT. There are no warranties which extend beyond the description on the face hereof and goods are sold as is. Seller's Limited Warranty is only available to the initial purchaser of its products and is effective only upon compliance with the terms set forth herein.

Buyer agrees that the products subject to this Limited Warranty will be properly maintained in the ordinary course of business. Buyer agrees to comply with all instructions and specifications furnished by Seller relating to the installation, care, use and application of products purchased. Buyer agrees that it will not modify, misapply, or misuse such products in any manner which would deviate from Seller's instructions. Any repairs, alterations or service provided by parties other than Seller, or its authorized representative, may void this Limited Warranty. This Limited Warranty shall not apply to normal wear and tear, improper or insufficient maintenance, routine maintenance, or damage caused by accident, negligence, improper operation or the use of corrosive materials (including without limitation bleach or sodium hypochlorite used on stainless steel surfaces). THE SELLER'S LIMITED WARRANTY MADE IN CONNECTION WITH THIS SALE SHALL NOT BE EFFECTIVE AND SHALL BE VOID UNLESS SUCH GOODS ARE APPLIED AND USED IN ACCORDANCE WITH SELLER'S INSTRUCTIONS.

LIMITATION OF LIABILITY UNDER NO CIRCUMSTANCES SHALL SELLER BE LIABLE TO BUYER OR ANY OTHER PERSON FOR ANY SPECIAL, LIQUIDATED, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING, WITHOUT LIMITATION, DAMAGES BASED UPON LOST GOODWILL, LOST SALES OR PROFITS, WORK STOPPAGE, DELAY, PRODUCT FAILURE, IMPAIRMENT OF GOODS OR OTHERWISE AND WHETHER ARISING OUT OF BREACH OF WARRANTY, BREACH OF CONTRACT, NEGLIGENCE OR OTHERWISE, and in any case, Seller's liability for any and all losses and damages sustained by Buyer and others, rising out of or by reason of this contract, shall not exceed the original purchase price of the products upon which liability is founded.

IN NO EVENT SHALL ANY ACTION BE COMMENCED AGAINST THE SELLER MORE THAN ONE YEAR AFTER THE CAUSE OF ACTION WITH RESPECT TO WHICH THE CLAIM IS MADE HAS ACCRUED. SELLER SHALL NOT BE RESPONSIBLE FOR EXPENSES FOR REPAIRS NOT MADE BY SELLER WITHOUT THE PRIOR WRITTEN CONSENT OF SELLER.



**RETURN POLICY** All products being returned for any reason or delivered for repair service (whether or not pursuant to our Limited Warranty) must receive advance authorization from Seller. Buyer must contact Seller's Technical Service Department at 1.800.444.1579 to receive a Return Authorization Number. All products returned, except for warranty service or pursuant to the Product Satisfaction policy, are subject to a minimum 15% restocking charge. Buyer will be responsible for all freight charges on returns.

**INDEMNITY** Buyer agrees to protect, defend, indemnify and hold harmless the Seller from and against any and all direct loss suffered and any liability to third parties due to bodily injury (including death) to any person or animal, or damage to any property as a result of Buyer's misuse, misapplication or failure to inspect or maintain the Seller's products, or such loss or liability caused by the act or omission of the Buyer in the performance of any services using said products. Buyer also agrees to indemnify and hold harmless the Seller for any taxes paid as discussed in paragraph five above. This indemnity provision expressly includes attorney's fees and settlements of claims in a reasonable manner under the circumstances.

**UNLAWFUL USE** Buyer agrees that no goods covered by this contract shall be used in any manner violative of any laws of the United States, whether state or federal, or local ordinance, and no such goods shall be distributed to any foreign country in any manner prohibited by United States law.

**REGULATIONS AND CODES** Seller makes no representation or promise, express or implied, that goods delivered hereunder will conform to any state or local laws, regulations, codes, ordinances, or standards, except as particularly and expressly specified and agreed upon for compliance in writing as a part of the contract between Buyer and Seller.

**SELLER'S REMEDIES** Seller hereby expressly reserves all remedies provided for by the Uniform Commercial Code and such remedies are expressly cumulative in nature and include all of the available remedies for breach and Seller need not make any election of remedy.

**MISCELLANEOUS** Buyer may not assign its rights or duties relative to this order without Seller's written consent, but Seller may assign its interest in such order to any affiliate or successor in interest. The waiver of any breach of these TERMS AND CONDITIONS shall not constitute a waiver as to any further breach. Any of these TERMS AND CONDITIONS found to be invalid, illegal or unenforceable, shall be considered inoperative and the remaining TERMS AND CONDITIONS shall be valid and enforceable as though such provisions are not included herein. Contact our Credit Department toll-free for questions: 800.444.1579

# SHOR-LINE<sup>®</sup>

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