

Mechanical Physician Scale

Installation & Operation Instructions

PN 102613

The Medical Physician scale is ideal for use in health clinics and doctors' practices for height and weight measurement. The scale is durable, having a sturdy enameled steel body, removable slip resistant plastic cover and retractable aluminum height rod. Rear wheels make the scale portable and easy to move from one location to the other. These installation and operating instructions will guide the user through basic instructions on pillar assembly, wheel installation, pillar height rod installation, and the zero adjustment of the scale.

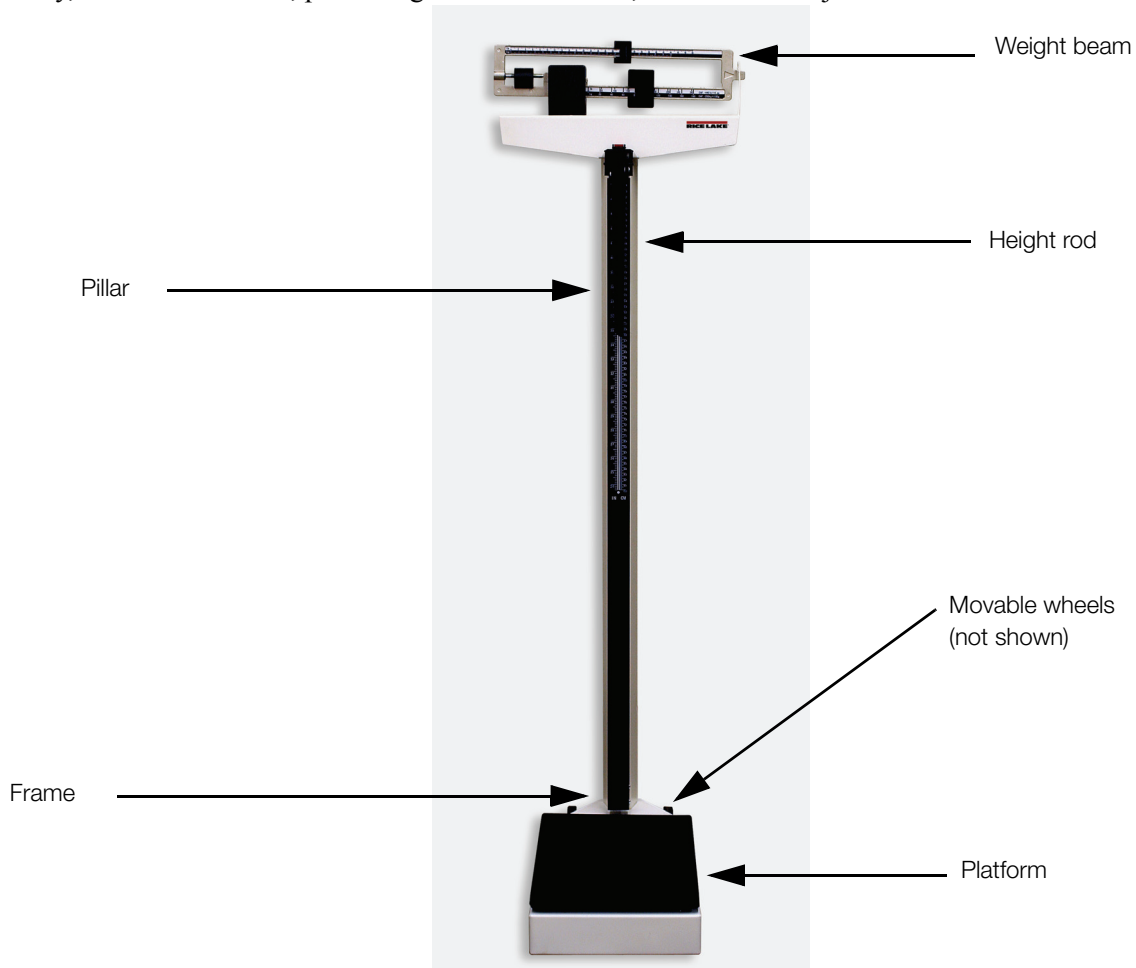


Figure 1. Mechanical Physician Scale Parts Breakdown

Installation Instructions

You will receive your Mechanical Physician Scale partially assembled. Those items that need additional assembly are:

- Pillar assembly
- Steelyard rod connection
- Height rod installation
- Wheel installation

Remove all components from the shipping crate and lay out in a convenient place.

Pillar Installation

The pillar comes separate from the scale base and must be attached prior to use. Use the following steps to attach the pillar to the scale base.

1. Set the scale base on a table or other convenient place.
2. Insert the pillar into the scale base assembly.

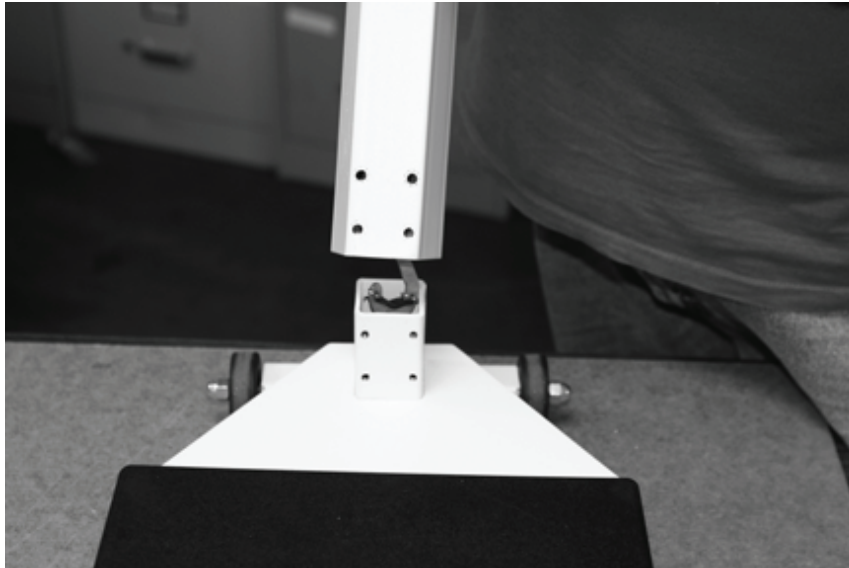


Figure 2. Attach the Pillar to the Scale Base

3. Using a phillips head screwdriver, screw in the eight bolts and washers to secure the pillar to scale base.

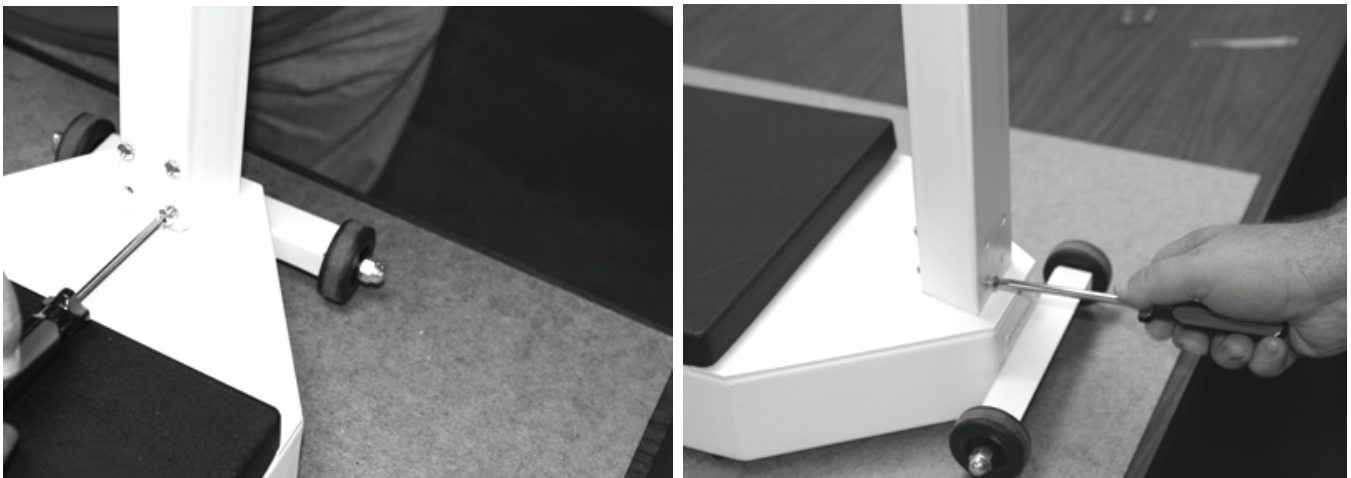


Figure 3. Attach Eight Bolts and Washers to Secure the Pillar to the Scale

Steelyard Rod Connection

The steelyard rod is located inside the scale pillar. Once the pillar is attached to the scale base, the steelyard rod must be attached to the bottom of the scale.

1. Lay the scale on a table as shown in Figure 4.

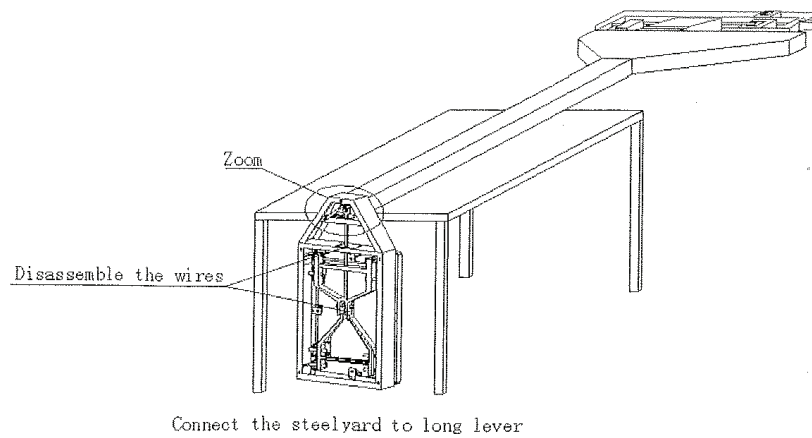


Figure 4. Lay Scale on Table to Access Bottom of Scale

2. Disassemble the wires on the levers as shown in Figure 4.
3. Insert the wrench to the small hole in front of the steelyard rod, and pull the hook of the steelyard rod with the hook of the wrench to connect it to the scale base as shown in Figure 5.



Figure 5. Connecting the Steelyard Rod to the Scale Base

4. Push the long lever frontward, then hook the bearing of the steelyard rod on the pivot of the long lever.
5. Place the scale back gently on the floor.

Height Rod Installation

The Mechanical Physician Scale comes with a standard height rod to measure the height of the patient.

Use the following steps to attach the height rod to the Mechanical Physician scale.

1. Insert the back side slotted holes of the height rod into the two bolts on the front side of the pillar as shown in Figure 6. One is located at the top of the pillar and the other towards the bottom of the pillar.

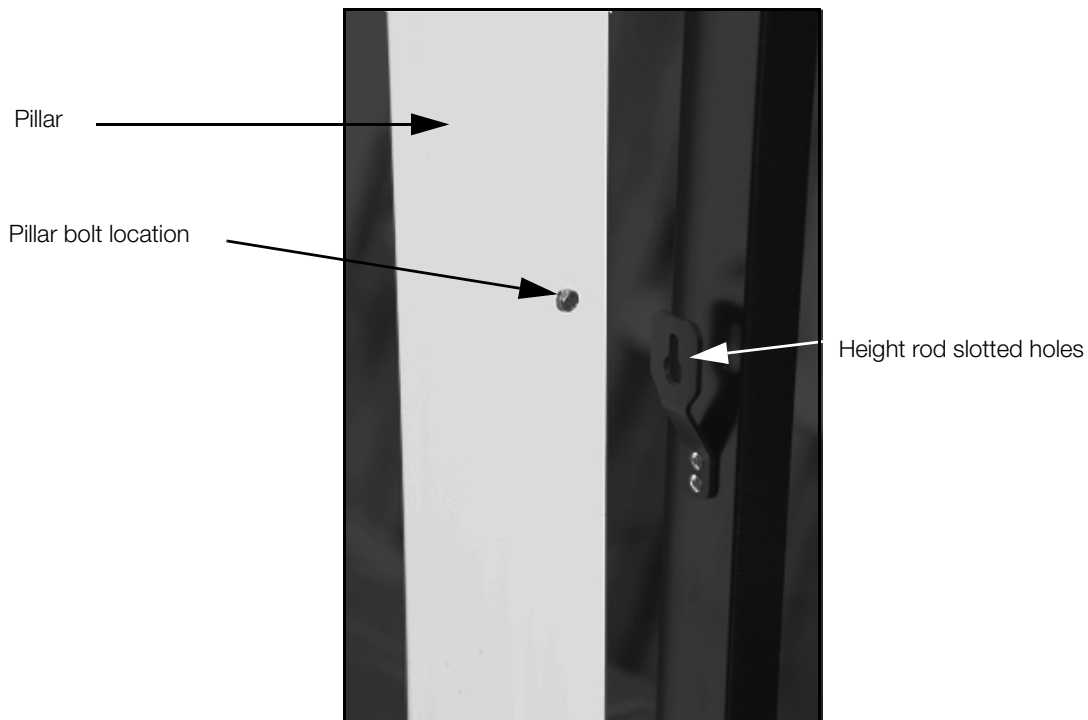


Figure 6. Attach the Slotted Screw Location onto the Pillar Bolt Location

2. Use the enclosed wrench to tighten the two hex-head screws, but ensure not to over tighten.

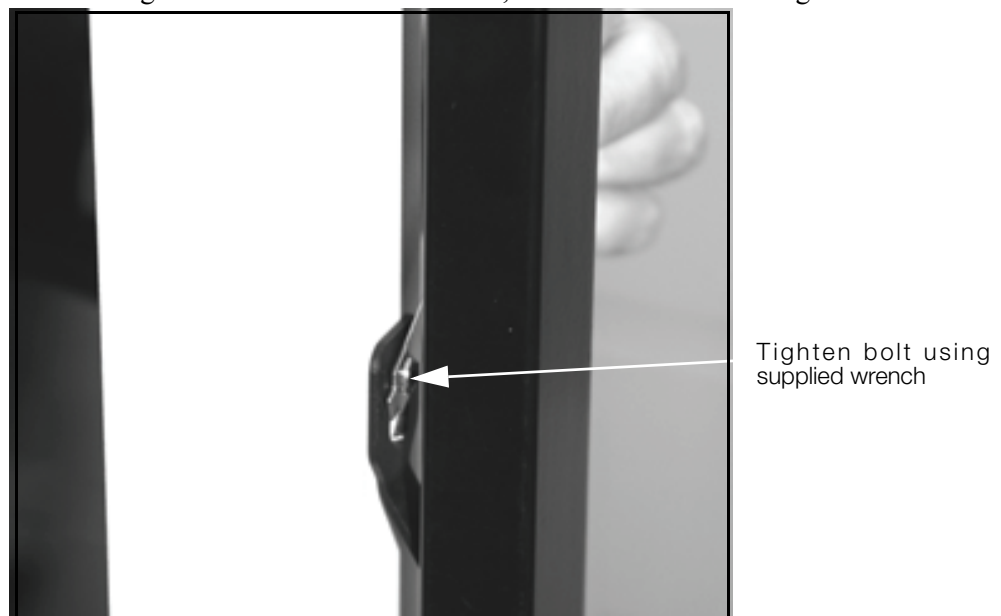


Figure 7. Use Wrench to Tighten Screws

Wheel Installation

The Mechanical Physician Scale comes with sturdy wheels for easy portability. To install the wheels onto the scale, use the following instructions.

1. Align the angle iron of the wheel base to the scale platform as shown in Figure 8.



Figure 8. Attach the Scale Wheels onto the Scale Base

2. Use the screws and washers that are included with the scale to fix the wheel to the platform, adjusting the angle iron at a level position, then tighten screws.
3. When moving the scale, hold the two side faces of the pillar to keep the front side of the platform away from the ground.



Figure 9. Wheels Offer Easy Portability

Zero Adjustment

To ensure accurate weighments, a zero adjustment should be done to the scale upon arrival and setup. To perform a zero adjustment, perform the following steps.

1. Ensure the scale is sitting on a level surface.
2. Check the eye loop area of the scale to ensure that the scale pointer is equally balanced between the eye loop area.

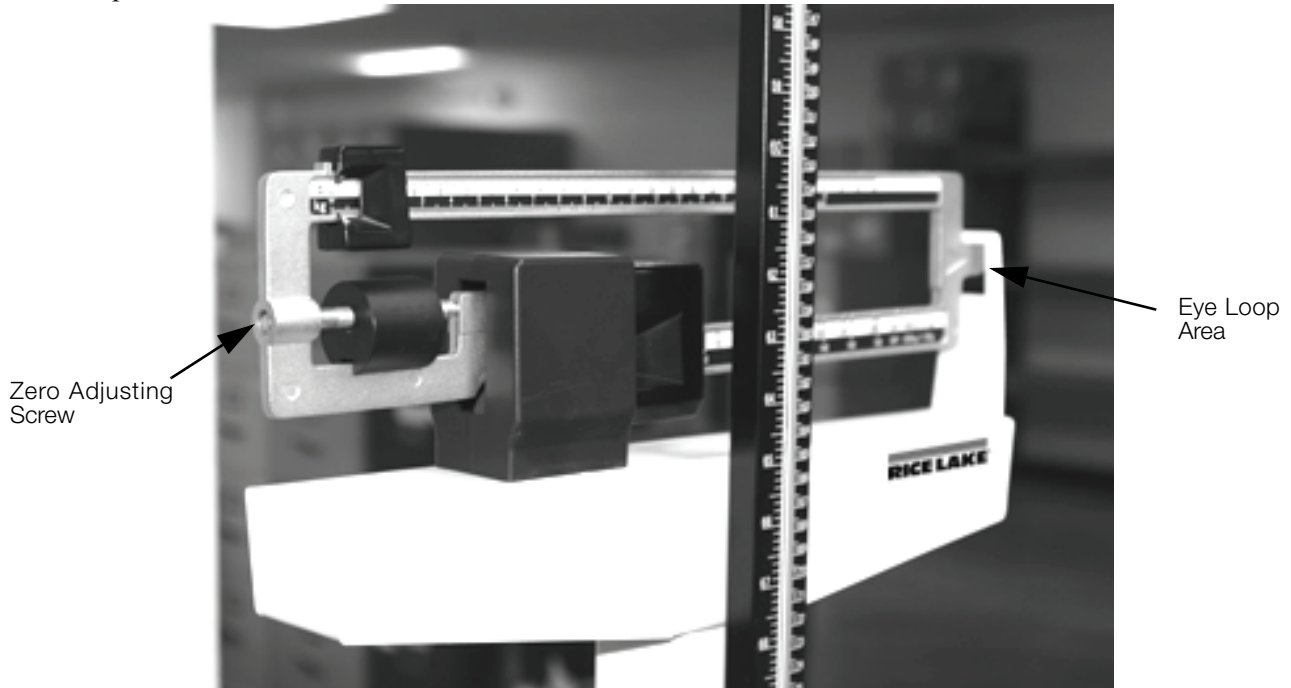


Figure 10. Eye Loop Area and Zero Adjusting Screw Location

3. If the scale is not balancing properly, then the small zero balance weight must be adjusted. Turn the zero adjusting screw (shown in Figure 10) using a flat head screwdriver. By adjusting the screw, the zero balance weight will move accordingly.

Specifications

Maximum capacity:	440 Lb (200 Kg)
Graduation:	0.25 Lb (0.1 Kg)
Height rod range:	24-84" (60-212 cm)
Min. value of height per division:	0.125" (0.1 cm)
Platform size:	14.75 x 10.75" (374.65 x 273.05 mm)

Mechanical Physician Scale Limited Warranty

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RLWS warrants that the equipment sold hereunder will conform to the current written specifications authorized by RLWS. RLWS warrants the equipment against faulty workmanship and defective materials. If any equipment fails to conform to these warranties, RLWS will, at its option, repair or replace such goods returned within the warranty period subject to the following conditions:

- Upon discovery by Buyer of such nonconformity, RLWS will be given prompt written notice with a detailed explanation of the alleged deficiencies.
- Individual electronic components returned to RLWS for warranty purposes must be packaged to prevent electrostatic discharge (ESD) damage in shipment. Packaging requirements are listed in a publication, *Protecting Your Components From Static Damage in Shipment*, available from RLWS Equipment Return Department.
- Examination of such equipment by RLWS confirms that the nonconformity actually exists, and was not caused by accident, misuse, neglect, alteration, improper installation, improper repair or improper testing; RLWS shall be the sole judge of all alleged non-conformities.
- Such equipment has not been modified, altered, or changed by any person other than RLWS or its duly authorized repair agents.
- RLWS will have a reasonable time to repair or replace the defective equipment. Buyer is responsible for shipping charges both ways.
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