

ProDoc Series

Digital Physician Scale
PD100
PD200
PD300
PD300
PD300DHR

(Digital Height Rod) and

PD300MHR

(Mechanical Height Rod)

Owner's Manual

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Proper Disposal

When this device reaches the end of its useful life, it must be properly disposed of. It must not be disposed of as unsorted municipal waste. Within the European Union, this device should be returned to the distributor from where it was purchased for proper disposal. This is in accordance with EU Directive 2002/96/EC. Within North America, the device should be disposed of in accordance with the local laws regarding the disposal of waste electrical and electronic equipment.

It is everyone's responsibility to help maintain the environment and to reduce the effects of hazardous substances contained in electrical and electronic equipment on human health. Please do your part by making certain that the device is properly disposed of. The symbol shown to the right indicates that this device must not be disposed of in unsorted municipal waste programs.



FCC Compliance Statement

WARNING! This equipment generates uses and can radiate radio frequency and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference in which case the user will be responsible to take whatever measures necessary to correct the interference.

You may find the booklet "How to Identify and Resolve Radio TV Interference Problems" prepared by the Federal Communications Commission helpful. It is available from the U.S. Government Printing Office, Washington, D.C. 20402. Request stock No. 001-000-00315-4.

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Serial Number Date of Purchase Purchased From
RETAIN THIS INFORMATION FOR FUTURE USE

PRECAUTIONS

Before using this scale, read this manual and pay special attention to all "WARNING" symbols:



ELECTRICAL WARNING

INTRODUCTION

Thank you for purchasing our Detecto ProDoc Series Digital Physician Scale. Your scale has been designed for simple and straightforward use and to assure accuracy and dependability for years to come.

Please read this manual thoroughly before using your scale and keep it handy for future reference. It contains important instructions for installation and proper operation of your scale.

SPECIFICATIONS

PD100 (Floor Scale with Remote Display)		
PD200 (Floor Scale		
PD300 (Eye-Level Scale)		
PD300DHR (Eye-Level Scale with Digital Height Rod)		
PD300MHR (Eye-Level Scale with Mechanical Height Rod)		
480 lb x 0.2 lb (220 kg x 0.1 kg)		
0-220 lb x 0.1 lb (0-100 kg x 50g)		
220-550 lb x 0.2 lb (100-250 kg x 100g)		
Pounds or Kilograms (selectable)		
Six (6) "AA" size Alkaline batteries (not included) OR an		
optional Medical device 9V AC/DC wall plug-in adapter		
(Cardinal part number PD-AC, includes USA plug). Also		
available UK plug (PD-UKPLUG) or EU plug (PD-EUPLUG).		
Five digit, seven segment, 1.0 inch (25 mm) high LCD		
50 to 104 °F (+10 to +40 °C)		
ON/OFF, BMI HEIGHT/ENTER, LOCK/RELEASE, UNITS		
(PRINT/UNITS on PD300), ZERO, ♠RECALL and ♦STORE		
5.25" H x 7.87" W x 2.125" D (134 mm x 200 mm x 54 mm)		
3.33" H x 12.5" W x 13.0" D (85 mm x 318 mm x 330 mm)		
8.75" H x 12.6" W x 16.9" D (222 mm x 320 mm x 430 mm)		
48.0" H x 12.6" W x 17.0" D (1219 mm x 320 mm x 433 mm)		
48.0" H x 14.0" W x 17.0" D (1219 mm x 354 mm x 433 mm)		
48.0" H x 14.0" W x 17.0" D (1219 mm x 354 mm x 433 mm)		

Standard Features:

- Metric Conversion (Weight and Height)
- Body Mass Index (BMI) Calculator
- Memory Function (Store and Recall up to four weights)
- Selectable Sleep-Mode (up to 9 minutes)
- Selectable Auto Shut-Off Feature (up to 9 minutes)
- · Level Indicator

PD300 Only

- Serial Port (to be used with printers only)
- USB Port (to interface with a PC only)

Unpacking

Remove the scale base, display, hardware pack and other components from the shipping carton. After removing from the carton, check for any damage that may have taken place during shipment. Keep and use the original carton and packing material for return shipment if it should become necessary. The purchaser is responsible for filing all claims for any damages or loss incurred during transit. Remove all plastic wrapping, foam fillers and cardboard material from the scale base, display and other components. You should have the following components:

- (1) Scale Base
- (1) Remote Display
- (1) Wall Bracket "A" (includes four (4) feet for desk or table mounting)
- (1) Wall Bracket "B"
- (1) Hardware Pack, containing:
 - (2) M3.0x25 Screws and plastic wall anchors



M3.0x25 Screw



Plastic Wall Anchor

Assembly

The PD100 does not require any assembly. After installing batteries, the scale is ready for operation.

Quick Start

Although it is recommended that you read this manual before attempting to operate the scale, this section is included to provide a condensed set of instructions on installing and using the scale. At a minimum, please make certain you read all of the caution and warning statements.

- Step 1. Place the scale on the floor and then place the display at a convenient distance from the scale base.
- Step 2. Turn the scale over on the floor and then locate the battery access cover on the bottom of the scale.
- Step 3. Remove the cover, install six (6) "AA" size batteries¹ and then replace the cover.
- Step 4. Turn the scale over to the normal operating position and make sure it is level.
- Step 5. Press the **ON/OFF** key to turn the scale on.²
- Step 6. When the display is showing 0.0, have to patient step on the scale.
- Step 7. Wait a few seconds for the weight to display and then read the patient's weight.
- Step 8. Patient may now step off scale.
- Step 9. Press the **ON/OFF** key to turn the scale off.

¹ See page 17 for detailed instructions on installing the batteries.

² For complete Operation and Setup instructions, refer to pages 19 to 29.

Placing the Scale

The scale should be placed on a flat, level floor or low cut carpet away from any rapidly moving air source (heating and cooling vents).

Check to make certain the scale is level. The level indicator is located at the rear of the scale. If the scale is not level (the bubble will not be centered), loosen the locking ring on all four (4) feet and adjust them as required to center the bubble and attain a level scale. Once the scale is level, lock the feet in place by tightening the adjustment locking rings against the bottom of the scale.





NOT LEVEL

LEVEL



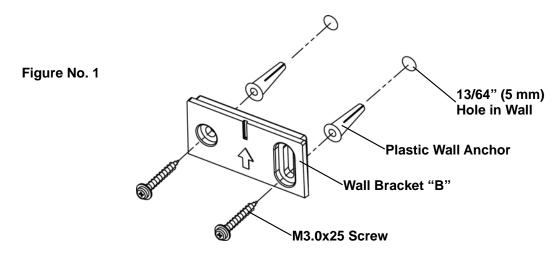
IMPORTANT! Any time a scale is moved or re-located, be sure to check the level bubble to make sure the scale is level before using.

Placing the Display

The PD100 display has an 87" (220 cm) cable to allow it to be placed at a convenient position away from the scale base. A bracket is included to mount the display on a wall or the bracket (and included feet) can used to place it on a desk for easy viewing.

Wall Mounting

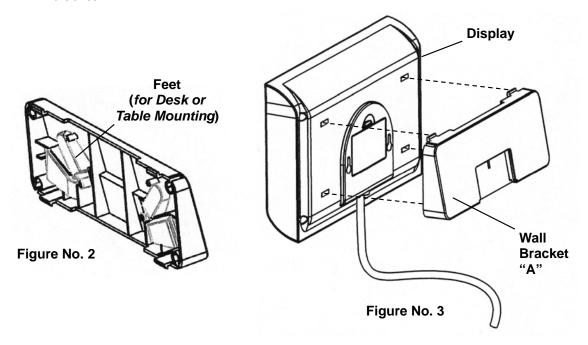
- Choose the location to mount the display on the wall. The location should be free of temperature extremes and water. It should be where the display can be easily viewed, not subject to direct sunlight and where the keypad is within easy reach of the operator.
- 2. Make certain the structure and mounting hardware are of sufficient strength to support the display. The mounting bracket should be securely fastened to the wall so that it cannot break loose from the mounting surface.
- **3.** Referring to Figure No. 1 and using Wall Bracket "B" for a template, place the bracket against the wall (the notch (*arrow*) pointing up) and mark the holes to use to mount it. Remove the bracket and drill two (2) 13/64" (5 mm) holes in the wall for the mounting wall anchors.
- 4. Insert the wall anchors in the wall until they are flush with the wall.
- **5.** With the notch (*arrow*) pointing up on Wall Bracket "B", insert the two (2) M3.0x25 screws through the bracket and into the wall anchors.
- **6.** Tighten the screws to secure the bracket to the wall.



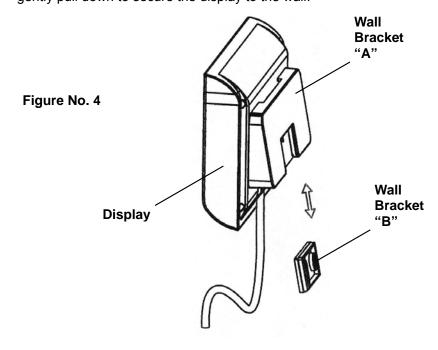
Placing the Display

Wall Mounting, Cont.

7. Referring to Figure No. 2, make sure the four (4) feet of Wall Bracket "A" are placed in the bracket.



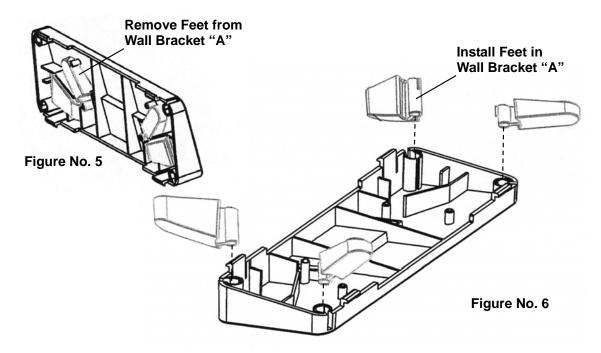
- **8.** Next, locate the four (4) slots on the back of the display and align them with the four (4) tabs on the Wall Bracket "A". Refer to Figure No. 3.
- **9.** Insert the tabs into the slots and press together until the bracket locks to the back of the display.
- **10.** Referring to Figure No. 4, align the cutout in Wall Bracket "A" with Wall Bracket "B" and gently pull down to secure the display to the wall.



Placing the Display

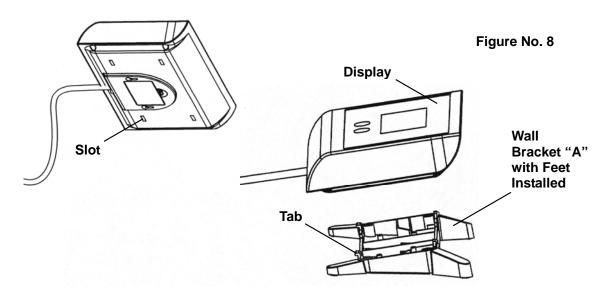
Desk or Table Mounting

- 1. The location chosen should be a stable, level surface (either a desk or solid table), free of temperature extremes and water. The display should be where it can be easily viewed, not subject to direct sunlight and where the keypad is within easy reach of the operator.
- 2. Referring to Figure No. 5, remove the four (4) feet from inside Wall Bracket "A" and install them in each corner of the bracket as shown in Figure No. 6.



3. Next, locate the four (4) slots in the back of the display. Refer to Figure No. 7.

Figure No. 7



4. Referring to Figure No. 8, align and insert the tabs on the bracket with the slots in the display back and press together until the bracket locks to the back of the display.

Unpacking

Remove the scale from the carton by grasping the column (not the display) and lifting up with equal force on the column and the scale base. After removing from the carton, check for any damage that may have taken place during shipment. Keep and use the original carton and packing material for return shipment if it should become necessary. The purchaser is responsible for filing all claims for any damages or loss incurred during transit. Remove all plastic wrapping, foam fillers and cardboard material from the scale.

Assembly

The PD200 does not require any assembly. After installing batteries, the scale is ready for operation.



Figure No. 9

Quick Start

Although it is recommended that you read this manual before attempting to operate the scale, this section is included to provide a condensed set of instructions on installing and using the scale. At a minimum, please make certain you read all of the caution and warning statements.

- **Step 1.** Place the scale on the floor.
- **Step 2.** Carefully turn the scale over with the display resting on the floor and then locate the battery access cover on the bottom of the scale.
- **Step 3.** Remove the cover, install six (6) "AA" size batteries and then replace the cover.
- **Step 4.** Turn the scale over to the normal operating position and make sure it is level.
- Step 5. Press the ON/OFF key to turn the scale on.²
- **Step 6.** When the display is showing 0.0, have to patient step on the scale.
- Step 7. Wait a few seconds for the weight to display and then read the patient's weight.
- Step 8. Patient may now step off scale.
- **Step 9.** Press the **ON/OFF** key to turn the scale off.

¹ See page 17 for detailed instructions on installing the batteries.

² For complete Operation and Setup instructions, refer to pages 19 to 29.

Unpacking

Remove¹ the scale base, column with attached display, hardware pack and other components from the shipping carton. After removing from the carton, check for any damage that may have taken place during shipment. *Keep and use the original carton and packing material for return shipment if it should become necessary.* The purchaser is responsible for filing all claims for any damages or loss incurred during transit. Remove all plastic wrapping, foam fillers and cardboard material from the scale base, display and other components. You should have the following components:

- ① Scale Base
- ② Column with attached Display
- 3 Hardware Pack, containing:
 - (4) M5x45 Machine Screws
 - (1) Philips Screwdriver
- Optional Digital or Mechanical Height Rod





Figure No. 10

¹ See Note Below.



NOTE! To remove the scale base, column with attached display and optional height rod from the carton, grasp both sides of the scale base and lift up with equal force.

Assembly

Installing the Column

- 1. Place the scale on a desk or table
- 2. Connect the connection cable to the preset cable in the scale base by aligning the tab on the pin end connector of the connection cable with the notch on the socket end of the preset cable connector and push together. Next, slide the collar on the preset cable onto the threads of the connection cable and screw together. Do not use tools, finger-tighten only.

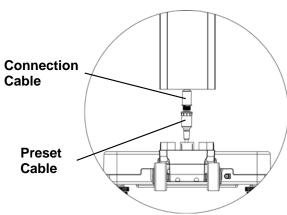


Figure No. 12

Align the column with the scale base and then place the column over the tabs on the scale base.

NOTE! Center the cable in the column (as shown in Figure No. 13) when placing the column over the tabs on the scale base.

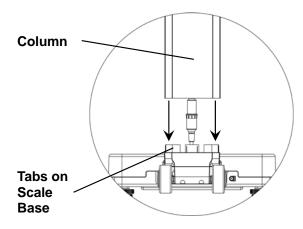


Figure No. 13

- **4.** While holding the column in place on the scale, carefully lay the scale down with the column horizontal to the desk or table.
- Attach the column to the scale base by inserting four (4) 5x45 machine screws through the recessed holes in the scale base into the threaded holes of the column.
- **6.** Tighten the screws to secure the column to the scale base.

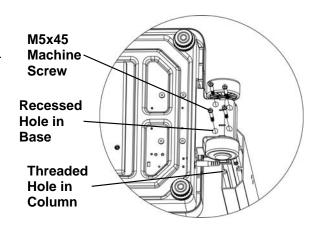


Figure No. 14

Quick Start

- **Step 1.** Once the scale is assembled, place it on the floor.
- **Step 2.** Carefully lay the scale over on its side with the edge of the display resting on the floor and then locate the battery access cover on the bottom of the scale.
- **Step 3.** Remove the cover, install six (6) "AA" size batteries¹ and then replace the cover.
- **Step 4.** Return the scale to the upright, normal operating position and make sure it is level.
- Step 5. Press the ON/OFF key to turn the scale on.²
- **Step 6.** When the display is showing 0.0, have to patient step on the scale.
- **Step 7.** Wait a few seconds for the weight to display and then read the patient's weight.
- Step 8. Patient may now step off scale.
- Step 9. Press the ON/OFF key to turn the scale off.

¹ See page 17 for detailed instructions on installing the batteries.

² For complete Operation instructions, refer to pages 19 to 27. For complete Setup instructions, refer to pages 30 to 33.

PD300DHR

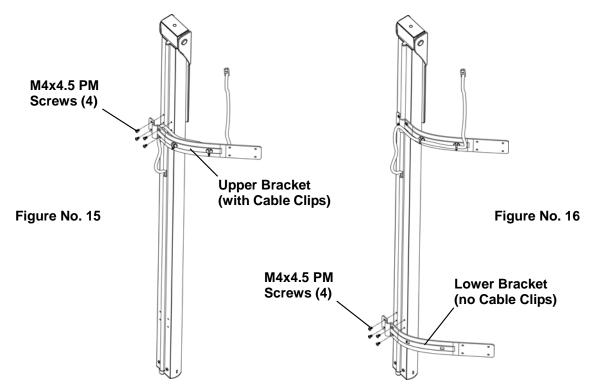
Digital Height Rod Installation

The Digital Height Rod is packed in a slot in the packing foam inside the main carton. Before starting installation, please unpack carefully and remove all plastic wrappings, foam fillers and cardboard material. You should have the following components:

- (1) Detecto Digital Height Rod (DHR)
- (1) Upper Mounting Bracket (with 2 plastic cable clips)
- (1) Lower Mounting Bracket
- (1) Hardware Pack, containing:
 - (8) M4x4.5 PM Screws (bracket to height rod)
 - (8) M4x10 PM Screws (bracket to column)
 - (8) Lock Washers (bracket to column)



- 1. Referring to Figure No. 15, align the upper bracket with the holes in the height rod (near the headpiece) and install four (4) M4x4.5 PM screws to secure the bracket to the height rod.
- 2. Next, align the lower bracket with the lower holes in the height rod and install four (4) M4x4.5 PM screws to secure the bracket to the height rod. See Figure No. 16.



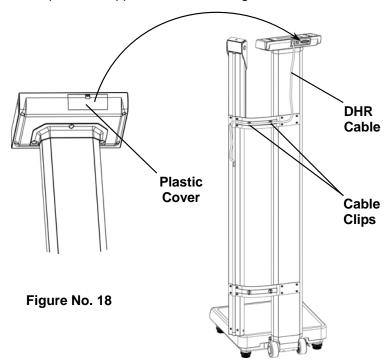
PD300DHR

Digital Height Rod Installation, Cont.

3. Align the upper mounting bracket with the holes near the display in the back of the column and install four (4) M4x10 PM screws with lock washers to secure the bracket to the column. Align the holes in the lower bracket with the lower holes in the column and install four (4) M4x10 PM screws with lock washers to secure it to the column. See Figure No. 17.



4. Remove the plastic cover on the back of the display exposing the modular connector socket. Insert the modular connector of the DHR cable into the socket on the display until it locks in place. (It will click when locked in place). Route the DHR cable through the two (2) plastic cable clips on the upper bracket. See Figure No. 18



PD300MHR

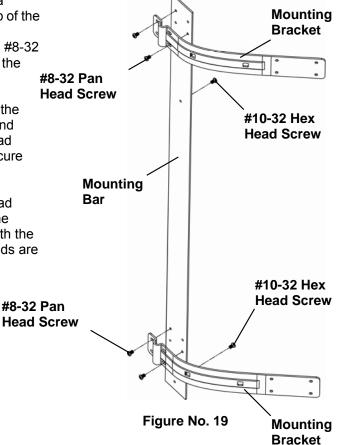
Mechanical Height Rod Installation

The Mechanical Height Rod is packed in a slot in the packing foam inside the main carton. Before starting installation, please unpack carefully and remove all plastic wrappings, foam fillers and cardboard material. You should have the following components:

- (1) Detecto Mechanical Height Rod (MHR)
- (2) Mounting Brackets
- (1) Hardware Pack, containing:
 - (4) #8-32x1/2" Pan Head Screws (mounting bar to bracket)
 - (4) #8-32 Hex Nuts
 - (8) M4x10 PM Screws (bracket to column)
 - (8) Lock Washers (bracket to column)
 - (2) #10-32 Hex Head Screw (MHR to mounting bar)
 - (1) Wrench



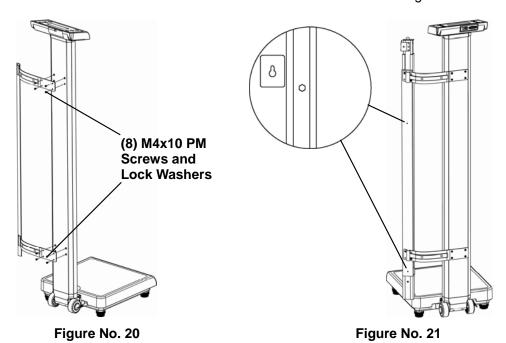
- Referring to Figure No. 19, align a bracket with the holes near the top of the mounting bar and install two (2) #8-32x1/2" Pan Head screws and #8-32 Hex nuts to secure the bracket to the mounting bar.
- 2. Next, align the other bracket with the lower holes in the mounting bar and install two (2) #8-32x1/2" Pan Head screws and #8-32 Hex nuts to secure the bracket to the mounting bar.
- 3. Install the two (2) #10-32 Hex Head screws in the threaded holes in the mounting bar and tighten them with the included wrench until the hex heads are 1/8" from the bar.



PD300MHR

Mechanical Height Rod Installation, Cont.

- **4.** Align the upper mounting bracket with the holes near the display in the back of the column and install four (4) M4x10 PM screws with lock washers to secure the bracket to the column.
- **5.** Align the holes in the lower bracket with the lower holes in the column and install four (4) M4x10 PM screws with lock washers to secure it to the column. See Figure No. 20.



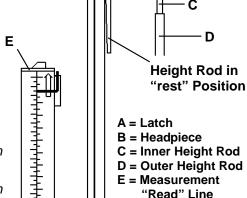
6. Referring to Figure No. 21, place both height rod brackets over the two (2) hex head screws and pull down, securing brackets. Use included wrench to tighten hex head screws.

Operation

- 1. Before patient steps on scale, headpiece should be rotated to horizontal position, and raised well above patient's head.
- 2. Patient may now step on scale.
- 3. Carefully lower height rod while keeping headpiece horizontal, until it rests on top of patient's head. If patient is shorter than 3' 4" (101.5 cm), push latch to right while simultaneously pushing down on headpiece, until headpiece rests on top of patient's head.
- 4. Read height of patient as follows:

If back of headpiece points to outer height rod, then it points to correct height.

If back of headpiece points to inner height rod, then correct height is read at top of outer height rod (see "Read" arrow on outer height rod).



- 5. While holding headpiece horizontally, raise it above patient's head. Patient may now step off scale.
- 6. Rotate headpiece back to vertical position and adjust height rod to "rest" position (headpiece should be locked in place within inner height rod and inner rod should be at its lowest position).

BATTERY OPERATION

Battery operation is a standard feature of the ProDoc Series Scale, although the batteries are optional (not included). You must first obtain and install six (6) "AA" size alkaline batteries before operations can begin. Batteries are contained in a battery holder inside the scale. Access is via a removable cover on the bottom of the scale.

Installation / Replacement

To install or remove the batteries, the following steps should be followed:

PD100

Turn the scale over on the floor or place it on a desk or table.

PD200

Carefully turn the scale over on the floor or place it on a desk or table with the display resting on the floor, desk or table.

PD300, PD300MHR and PD300DHR

Tilt the scale to the side (without the height rod, if one is installed) and then *carefully* lay it down with the edge of the display resting on the floor.

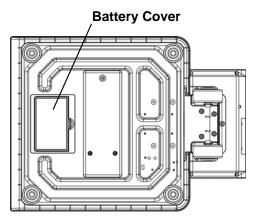


Figure No. 22

- 1. Referring to Figure No. 22, locate the rectangular battery cover on the bottom of the scale.
- 2. To install or replace the batteries, first remove the battery cover by pushing in on the tab and lifting it up. Refer to Figure No. 23.

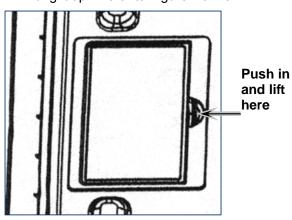


Figure No. 23

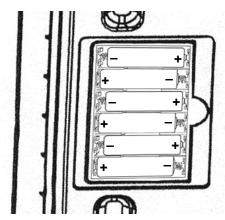


Figure No. 24

- **3.** If installing new batteries, proceed to step 4. If replacing the batteries, remove all six (6) batteries from the battery holder and hen proceed to step 4.
- **4.** Install the six (6) new "AA" size batteries in the battery holder, noting the polarity markings located in the battery holder. See Figure No. 24.
- **5.** Replace the battery cover (it will click when locked in place) and return the scale to the upright position.
- **6.** Make sure the 9V AC/DC power adaptor is not plugged in to the scale.
- Press the ON/OFF kev.
- **8.** The display should turn on, show all digits, the software version for a few seconds, followed by a small o moving across the display and then show 0.0 on the display.
- 9. The scale is now ready for operation.
- **10.** If the display did not turn on, remove the battery cover and check for one or more improperly positioned batteries.

BATTERY OPERATION

Low Battery

When the batteries are near the point they need to be replaced, the display will show $L \circ b R E$. If the battery voltage drops too low for accurate weighing, the scale will automatically shut off and you will be unable to turn it back on. When the $L \circ b R E$ message is displayed, the operator should replace the batteries or remove the batteries and plug-in the 9V AC/DC adapter.

Automatic Shutoff

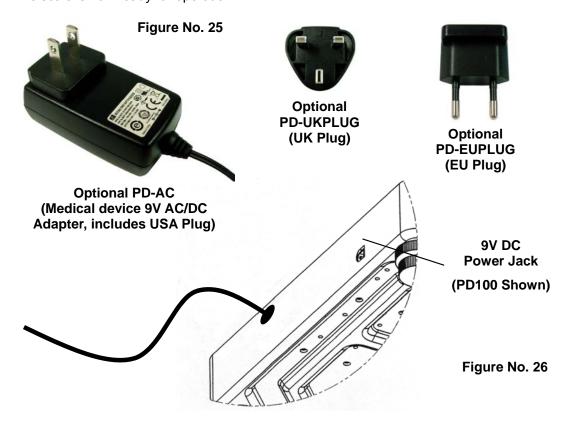
The Automatic Shutoff feature will turn the scale off after a period of inactivity (no motion or weight on scale) to prolong battery life. The period of inactivity for the automatic shutoff is selected during the setup process of the scale and can be set for up to nine (9) minutes. To turn the scale back on, you simply press the **ON/OFF** key.

Sleep Mode

The Sleep Mode feature also conserves battery power when the scale remains unused and will show 5LEEP on the display to indicate the sleep mode has activated. The sleep mode feature requires that no key is pressed on the keypad and the scale to remain at the center of zero for a period of time to activate. The period of time for the sleep mode is also selected during the setup process of the scale and can be set for up to nine (9) minutes. When a key is pressed or weight is placed on the scale, it will wake up and return to the weight mode.

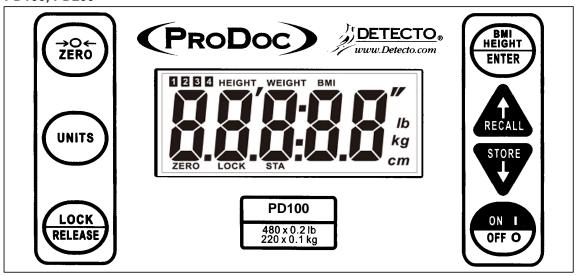
OPTIONAL AC POWER ADAPTER

To power the scale using the optional Medical device 9V AC/DC wall plug-in adapter (see Figure No. 25), connect the plug from the adapter into the power jack on the back of the scale base and then plug the power adapter into the proper electrical outlet. Refer to Figure No. 26. On models requiring 220 VAC, it is the customer's responsibility to obtain the correct power adapter plug. The scale is now ready for operation.



Keypad Functions

PD100, PD200



PD300

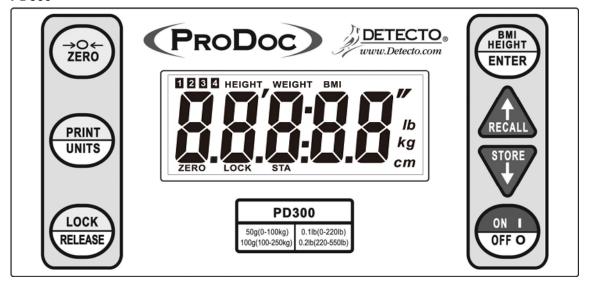


Figure No. 27



DO NOT operate the keypad with pointed objects (pencils, pens, etc). Damage to keypad resulting from this practice is NOT covered under warranty.



With the scale off, pressing this key will apply power to the scale and turn on the display. If the scale is on, pressing this key will show σFF on the display and turn the scale off.



This key is used to reset the display to zero up to the zero limit set during setup and calibration of the scale.

Keypad Functions, Cont.



PD100, PD200

This key is used to change the weighing units between pounds and kilograms. For example, with pounds displayed, pressing this key will change the weighting units to kilograms. **NOTE!** This feature must be enabled during setup and calibration of the scale to be operational.



PD300 Only

This key is a dual purpose key. First, it is used to send the weight and associated data to the serial printer. During operation, pressing this key will cause a print operation to occur.

Second it is used to change the weighing units between pounds and kilograms. For example, with pounds displayed, pressing and holding this key will change the weighting units to kilograms. **NOTE!** This feature must be enabled during setup and calibration of the scale to be operational.



The **BMI HEIGHT/ENTER** key is used to perform several functions during normal operations. Note that the scale will not respond to pressing the key unless the weight is stable.

- If the scale has the Digital Height Rod installed, pressing the key once will display the height data from the height rod. Once the height rod is adjusted to the patient, pressing it again will display the Body Mass Index (BMI) calculation. Pressing it a third time, will return the display to the patient's weight.
- With a mechanical height rod or no height rod, pressing the key once allows the operator
 to enter the height of the patient using the ◆RECALL or ◆STORE keys to increment or
 decrement to the correct height. After entering the patient's height, pressing it again will
 display the Body Mass Index (BMI) calculation. Pressing it a third time, will return the
 display to the patient's weight.
- In the Memory Function operation, pressing the **BMI HEIGHT/ENTER** key will signal the software that the desired MEM position has been selected and to store the current weight in that location.



This key is used to lock and unlock the display. If the HOLD feature was enabled during setup and calibration, pressing this key will cause the display to lock onto the weight. Pressing the key again will unlock the display and return it to zero.

NOTE! The scale will not respond to pressing the **LOCK/RELEASE** key unless the weight is stable and the **STA** annunciator is turned on.



The **♦RECALL** or **♦STORE** keys are used when performing the Body Mass Index (BMI) calculation to increase or decrease the height value.

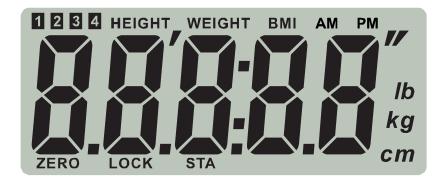


In the Memory Function operation, pressing the **▼STORE** key will select the MEM position (1 through 4) to store the current weight on the scale. Repeatedly pressing the key, will advance to the next memory location and return to the first.

Pressing the **ARECALL** key will select the MEM position (1 through 4) and display the weight stored in that location. Repeatedly pressing the key, will step through each memory location and return to displaying the current weight.

Annunciators

The annunciators are turned on to indicate that the scale display is in the mode corresponding to the annunciator label or that the status indicated by the label is active.



ZERO

This annunciator is turned on to indicate that the weight displayed is within +/- 1/4 division of the center of zero.

LOCK

This annunciator is turned on to show that the scale is locked onto the displayed weight.

STA

This annunciator is turned on when the weight on the scale is stable.

lb

This annunciator is turned on to indicate that the displayed weight is in pounds.

kq

This annunciator is turned on to indicate that the displayed weight is in kilograms.

cm

This annunciator is turned on when the displayed height measurement is in centimeters.

, ,,

These annunciators are turned on when the displayed height measurement is in feet and inches.

1 2 3 4

The 1, 2, 3, or 4 annunciator will flash to show which MEM position is being selected in the Memory Function operation.

The annunciator will stop flashing and stay on once a stable weight has been stored. When the patient steps off the scale, the annunciator will turn off and the scale will automatically return to the weight only mode.

When recalling a stored weight, the annunciator will flash while displaying the weight. If a key is not pressed for 5 seconds, the annunciator will stop flashing and the scale will automatically return to display the current weight.

HEIGHT

This annunciator is turned on when the scale is in the height measurement mode.

WEIGHT

This annunciator is turned on when the scale is in the weight only mode.

Annunciators, Cont.

BMI (Body Mass Index)

This annunciator is turned on when displaying the calculated Body Mass Index.

AM

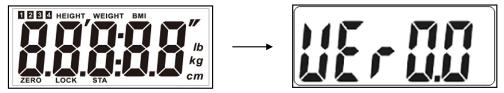
This annunciator is turned on to indicate that the displayed time is AM (before midday).

PΜ

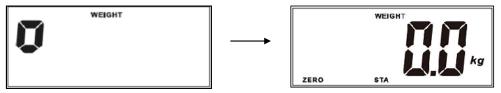
This annunciator is turned on to indicate that the displayed time is PM (after midday).

Basic Weighing

- 1. Press ON/OFF key.
- 2. The display will turn on, show all digits and then the software version will be displayed for a few seconds.



3. Next, a small o is shown and moves across the display until a stable zero is established.



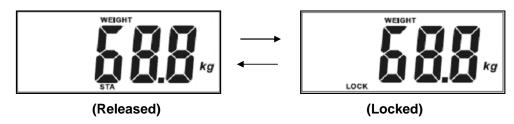
4. After establishing zero, the scale will show 0.0 on display.

NOTE! If the power up zero is too large, the display will show $\mathcal{E} \cap \mathcal{D}$ for a few seconds, then show $\mathcal{O} F \mathcal{F}$ and turn the scale off.



- **5.** Press **UNITS** (press and hold **PRINT/UNITS** on PD300) key to toggle between kilograms and pounds. The kg or lb annunciator will turn on to show which weighing unit is active.
- 6. Patient may now step on scale.
- 7. Read and record weight displayed.

NOTE! Press the **LOCK/RELEASE** key (when the **STA** annunciator is turned on) to lock the current weight reading. Once the weight has been recorded, press the **LOCK/RELEASE** key again to release the current weight reading.



- 8. Patient may now step off scale.
- 9. To turn scale off, press **ON/OFF** key. Display will show off and turn off.
 - If the Automatic Shutdown feature has been enable, the scale will turn off after a pre-defined time of inactivity (no motion or weight on scale).
 - If the Sleep Mode feature is active and the scale display is showing 0.0 kg/lb (remains at the center of zero) for a pre-defined time, the display will show 5LEEP.

Weighing with Height and BMI Measure

With Digital Height Rod

- 1. Press ON/OFF key.
- 2. The display will turn on, show all digits, the software version for a few seconds and then a small o is shown and moves across the display until a stable zero is established.
- **3.** Next, after establishing zero, the scale will show $\mathcal{D}.\mathcal{D}$ on display.

NOTE! If the power up zero is too large, the display will show $\mathcal{E}_{rr}\mathcal{D}$ for a few seconds, then show $_{\mathcal{O}}FF$ and turn the scale off.

4. Press **UNITS** (press and hold **PRINT/UNITS** on PD300) key to toggle between kilograms and pounds. The kg or lb annunciator will turn on to show which weighing unit is active.

NOTE! Changing the units between kilograms and pounds will also change the height measurement between centimeters (cm) and feet/inches ('/').

5. Make sure the height rod is in the starting position.



IMPORTANT! The digital height rod <u>must</u> be returned to its "starting position" before every use (the inner sliding tube must be down completely inside the outer stationary tube) and the headpiece folded flat against the stationary tube. Otherwise, ---- will be displayed.

- 6. Patient may now step on scale.
- 7. Read and record weight displayed.

NOTE! Press the **LOCK/RELEASE** key (when the **STA** annunciator is turned on) to lock the current weight reading. Once the weight has been recorded, press the **LOCK/RELEASE** key again to release the current weight reading.

- 8. Press BMI HEIGHT/ENTER key.
- **9.** Grasp height rod at hinge pin (see Figure No. 28) and raise it well above patient's head and then lift headpiece to horizontal position.
- **10.** Carefully lower height rod until headpiece rests on top of patient's head.
- 11. Read and record patient's height.

NOTE! On the PD300, if a printer is connected to scale, press the **PRINT/UNITS** key to print a ticket.

12. Press **BMI HEIGHT/ENTER** key again and scale displays BMI (Body Mass Index).



Figure No. 28

- **13.** Read and record patient's BMI.
- **14.** Press **BMI HEIGHT/ENTER** key once more and scale returns to patient's weight.

NOTE! While the patient is still standing on the scale, pressing the **BMI HEIGHT/ENTER** key will toggle between BMI and weight display. Also, note that once patient steps off scale, display automatically returns to weight only mode.

- **15.** While holding headpiece horizontal, raise height rod well above patient's head.
- **16.** Patient may now step off scale.
- **17.** Return height rod to starting position.
- **18.** To turn scale off, press **ON/OFF** key. Display will show of F and turn off.
 - If the Automatic Shutdown feature has been enable, the scale will turn off after a pre-defined time of inactivity (no motion on scale).
 - If the Sleep Mode feature is active and the scale display is showing 0.0 kg/lb (remains at the center of zero) for a pre-defined time, the display will show 5LEEP.

Weighing with Height and BMI Measure With Mechanical Height Rod or No Height Rod

- 1. Press **ON/OFF** key.
- 2. The display will turn on, show all digits, the software version for a few seconds and then a small o is shown and moves across the display until a stable zero is established.
- **3.** Next, after establishing zero, the scale will show 0.0 on display.

NOTE! If the power up zero is too large, the display will show $\mathcal{E}_{rr}\mathcal{D}$ for a few seconds, then show $_{\mathcal{O}}FF$ and turn the scale off.

4. Press **UNITS** (press and hold **PRINT/UNITS** on PD300) key to toggle between kilograms and pounds. The kg or lb annunciator will turn on to show which weighing unit is active.

NOTE! Changing the units between kilograms and pounds will also change the height measurement between centimeters (cm) and feet/inches ('/").

- 5. Patient may now step on scale.
- 6. Read and record weight displayed.

NOTE! Press the **LOCK/RELEASE** key (when the **STA** annunciator is turned on) to lock the current weight reading. Once the weight has been recorded, press the **LOCK/RELEASE** key again to release the current weight reading.

- 7. Press BMI HEIGHT/ENTER key.
- **8.** Scale display show **5'06.0"** if units is pounds or **168.0** cm if units is kilograms.
- Enter the patient's height by pressing the ◆RECALL or ◆STORE keys to increment or decrement to correct height.

NOTE! If units is pounds, height is increased or decreased by 0.5". If units is kilograms, height is increased or decreased by, *!.0 cm*.

- 10. Press BMI HEIGHT/ENTER key again and scale displays BMI (Body Mass Index).
- 11. Read and record patient's BMI.

NOTE! On the PD300, if a printer is connected to scale, press the **PRINT/UNITS** key to print a ticket.

12. Press BMI HEIGHT/ENTER key once more and scale returns to patient's weight.

NOTE! While the patient is still standing on the scale, pressing the **BMI HEIGHT/ENTER** key will toggle between BMI and weight display. Also, note that once patient steps off scale, display automatically returns to weight only mode.

- 13. Patient may now step off scale.
- **14.** Return height rod to starting position.
- 15. To turn scale off, press **ON/OFF** key. Display will show off.
 - If the Automatic Shutdown feature has been enable, the scale will turn off after a pre-defined time of inactivity (no motion on scale).
 - If the Sleep Mode feature is active and the scale display is showing 0.0 kg/lb (remains at the center of zero) for a pre-defined time, the display will show 5L EEP.

Storing Weight with the **★STORE** Key

1. Have patient step on scale. Note that all MEM position annunciators are off.



(Weight Only Mode)

- 2. With the patient on scale and display showing patient's weight, press and hold the **\Delta STORE** key.
- 3. The MEM 1 position annunciator will flash.



(Position 1 Selected)

4. Press the **♦STORE** key until the desired MEM position is selected. The MEM position annunciators (1, 2, 3 or 4) will flash to show which position is currently selected.

NOTE! Repeatedly pressing the **♦STORE** key will advance to the next MEM position and return to the MEM 1 position.



(Position 2 Selected)

- **5.** When the desired MEM position has been selected, press the **BMI HEIGHT/ENTER** key to store the weight.
- **6.** Once the key has been pressed, the software will capture the weight in this location. As soon as there is no motion and weight is stable, the MEM position annunciator will stop flashing and remain on to show a stable weight has been stored.



(Weight Stored in Position 1)

- **7.** Patient may now step off scale.
- **8.** Once the patient steps off scale, the display automatically returns to weight only mode. Any previously turned on MEM position annunciators will turn off.

Recalling Weight with the ♠RECALL Key

With the scale in the weight only mode (𝑢.𝑢 on display), press and hold the ♠RECALL key.

NOTE! If no weight is stored in a MEM location, then the display will show 0.0.

2. The MEM 1 position annunciator will flash and the stored weight will be displayed.



(Position 1 Selected)

3. Press the **↑RECALL** key again. The MEM 2 position annunciator will flash and the stored weight will be displayed.



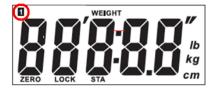
(Position 2 Selected)

- **4.** Press the **↑RECALL** key again. The MEM 3 position annunciator will flash and the stored weight will be displayed.
- **5.** Press the **♦RECALL** key again. The MEM 4 position annunciator will flash and the stored weight will be displayed.
- 6. Press the **↑RECALL** key again. The scale will return to displaying the current weight.



NOTE! When recalling memory, if a key is not pressed for 5 seconds, the scale will automatically return to display the current weight.

- 7. To store a <u>new</u> weight in the currently selected MEM position, with the patient on scale and display showing patient's weight, press the **▼STORE** key.
- **8.** Once the key has been pressed, the software will capture the weight in this location. As soon as there is no motion and the weight is stable, the MEM position stops flashing and remains on to show a stable weight has been stored.



(Weight Stored in Position 1)

- 9. Patient may now step off scale.
- **10.** Once patient steps off scale, the display automatically returns to weight only mode. Any previously turned on MEM position annunciators will turn off.

SETUP (PD100, PD200)

Your ProDoc PD100, PD200 Series Scale has been pre-configured at the factory and should not require changes for use in most applications. However, if the factory settings do not meet the requirements of your operation, the following describes the setup process for your scale.

To Enter Setup

- 1. With the scale off, press and hold the **ZERO** key and then press the **ON/OFF** key.
- 2. The display will turn on all digits, show the software version for a few seconds and then change to show Unit (where is the current setting).
- 3. Release all keys.
- **4.** The scale is now ready for setup.



IMPORTANT! When a prompt and value displayed are acceptable, press the **BMI HEIGHT/ENTER** key to save the setting and proceed to the next prompt. To change a setting, press the **♦RECALL** or **♦STORE** keys to select a new value and then press the **BMI HEIGHT/ENTER** key to save the new setting and advance to the next prompt.

Un 16 - • Unit Setting

If the value displayed is acceptable, press the **BMI HEIGHT/ENTER** key and proceed to the next prompt. Otherwise, press the **♦RECALL** or **♦STORE** keys to select a new value and then press the **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt.

1 = Pounds Only
2 = Kilograms Only
3 = Pounds/Kilograms
4 = Kilograms/Pounds

NOTE! If 1 or 2 (Pounds only or Kilograms only) are selected, the UNITS key will be disabled.

#5H__ • Automatic Shutoff

If the value displayed is acceptable, press the **BMI HEIGHT/ENTER** key and proceed to the next prompt. Otherwise, press the **♦RECALL** or **♦STORE** keys to select a new value (from 00 to 9 minutes in 1 minute increments) and then press the **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt.

NOTE! Selecting 00 disables the automatic shutoff feature.

5LP__ • Sleep Mode

If the value displayed is acceptable, press the **BMI HEIGHT/ENTER** key. Otherwise, press the **♣RECALL** or **♦STORE** keys to select a new value (from 00 to 9 minutes in 1 minute increments) and then press the **BMI HEIGHT/ENTER** key.

NOTE! Selecting 00 disables the sleep mode feature.

Once the **BMI HEIGHT/ENTER** key has been pressed at the Sleep Mode prompt, all Setup Process settings (current or new values) will be saved and the Setup Process will be finished. The display will show $_{\sigma}FF$ and then shut the scale off.



NOTE! When you have finished changing Setup, the configuration counter will be increased by one.

SETUP (PD300 ONLY)

Your ProDoc PD300 Series Scale has been pre-configured at the factory and should not require changes for use in most applications. However, if the factory settings do not meet the requirements of your operation, the following describes the setup process for your scale.

To Enter Setup

- 1. With the scale off, press and hold the ZERO key and then press the ON/OFF key.
- **2.** The display will turn on all digits, show the software version for a few seconds and then change to show $a_1a:00$.
- 3. Release all keys.
- **4.** The scale is now ready for setup.



IMPORTANT! When a prompt and value displayed are acceptable, press the **BMI HEIGHT/ENTER** key to save the setting and proceed to the next prompt. To change a setting, press the **♠RECALL** or **♦STORE** keys to select a new value and then press the **BMI HEIGHT/ENTER** key to save the new setting and advance to the next prompt.

nin: (MINUTES)

With display showing $a_{\text{IG}}: g_{\text{IG}}$, press **BMI HEIGHT/ENTER** key to show current setting. If value displayed is acceptable, press **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt. Otherwise, press the **ARECALL** or **\forallSTORE** keys to select a new value from 00 to 59 and then press the **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt.

NOTE! The default minute setting is 00.

հե₂ (HOURS)

With display showing ħħ: 00, press BMI HEIGHT/ENTER key to show current setting. If value displayed is acceptable, press BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Otherwise, press the ♠RECALL or ♦STORE keys to select a new value from 00 to 23 and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt.

IMPORTANT! Time is entered in a 24-hour format. When entering times after noon (12:00 PM), you must add 12 to time. For example, 3:00 PM would be entered as 15.

NOTE! The default hour setting is 00 (mid-night).

ሃሃ*:* (YEARS)

With display showing 𝛂𝔞𝔞, press <code>BMI</code> <code>HEIGHT/ENTER</code> key to show current setting. If value displayed is acceptable, press <code>BMI</code> <code>HEIGHT/ENTER</code> key to save it and proceed to the next prompt. Otherwise, press the <code>♠RECALL</code> or <code>♦STORE</code> keys to select a new value from 00 to 99 and then press the <code>BMI</code> <code>HEIGHT/ENTER</code> key to save it and proceed to the next prompt. Note that 00 represents year 2000, 01 represents 2001 and so on.

NOTE! The default year setting is 00 (2000).

nn: (MONTHS)

With display showing an : 0 1, press BMI HEIGHT/ENTER key to show current setting. If value displayed is acceptable, press BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Otherwise, press the ♠RECALL or ♦STORE keys to select a new value from 01 to 12 and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Note that 01 represents January, 02 represents February so on.

NOTE! The default month setting is 01 (January).

SETUP (PD300 ONLY), CONT.

dd: (DAY)

With display showing *dd*: *i*!, press **BMI HEIGHT/ENTER** key to show current setting. If value displayed is acceptable, press **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt. Otherwise, press the **♦RECALL** or **♦STORE** keys to select a new value from 01 to 31 and then press the **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt.

NOTE! The default day setting is 01 (first day of month).

Erlf: (CARRIAGE RETURN LINE FEED OPTION)

Data sent from the serial port can be terminated with a single carriage return and either no line feed or a single line feed command.

With display showing £r£F, press BMI HEIGHT/ENTER key to show current setting. If value displayed is acceptable, press BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Otherwise, press the ♣RECALL or ◆STORE keys to enable or disable the carriage return line feed and then press the BMI HEIGHT/ENTER key and proceed to the next prompt. Allowable values are 0 (disable) or 1 (enable).

NOTE! The default day setting is 0 (disable).

IMPORTANT! The *EOP*: END OF PRINT LINEFEEDS prompt will only be displayed if you enable the Carriage Return Line Feed Option (*ErLF*: I).

€0P = (END OF PRINT LINEFEEDS)

At the end of data sent to a printer, a pre-selected number of line feed commands can be sent to space the paper in the printer to the desired position for withdrawal or for the next print.

With display showing £0P, press **BMI HEIGHT/ENTER** key to show current setting. If value displayed is acceptable, press **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt. Otherwise, press the **♣RECALL** or **♦STORE** keys to adjust the number of line feeds and then press the **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt. Allowable values are 00 through 99.

NOTE! The default setting is 00 (disabled).

USb = (USB PORT FUNCTION)

With display showing £5b, press BMI HEIGHT/ENTER key to show current setting. If value displayed is acceptable, press BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Otherwise, press the ★RECALL or ★STORE keys to select a new value and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Allowable values are 00, 01 or 02.

NOTE! This is a USB device port. It is assumed to connect to USB HOST, such as PC only.

00 = No Output (default setting)

01 = FORMAT "1" (Ticket Format) *

02 = FORMAT "2" (Journal Format) *

^{*} Refer to the TICKET FORMATS section of this manual for more information on the Ticket and Journal Formats.

SETUP (PD300 ONLY), CONT.

With display showing r 5232, press **BMI HEIGHT/ENTER** key to show current setting. If value displayed is acceptable, press BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Otherwise, press the **♦RECALL** or **♦STORE** keys to select a new value and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Allowable values are 00, 01 or 02.

00 = No Output (default setting)

01 = FORMAT "1" (Ticket Format) *

02 = FORMAT "2" (Journal Format) *

baud rate) for printer only

With display showing bAUdz, press BMI HEIGHT/ENTER key to show current setting. If value displayed is acceptable, press BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Otherwise, press the **↑RECALL** or **♦STORE** keys to select a new value and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Allowable values are 0, 1, 2, 3 or 4.

1 = 2400 Baud **4** = 19.2k Baud 2 = 4800 Baud **0** = 1200 Baud

3 = 9600 Baud

Un It - (UNIT SETTING)

With display showing Un It =, press BMI HEIGHT/ENTER key to show current setting. If the value displayed is acceptable, press the BMI HEIGHT/ENTER key and proceed to the next prompt. Otherwise, press the **♦RECALL** or **♦STORE** keys to select a new value and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt.

1 = Pounds Only 2 = Kilograms Only 3 = Pounds/Kilograms 4 = Kilograms/Pounds

IMPORTANT! If 1 or 2 (Pounds Only or Kilograms Only) are selected, the **UNITS** key will be disabled. Note that on the PD300, only the UNITS function of the PRINT/UNITS key will be disabled.

NOTE! The default setting is 3 (Pounds/Kilograms).

#5H__ (AUTOMATIC SHUTOFF)

With display showing #5h__, press BMI HEIGHT/ENTER key to show current setting. If the value displayed is acceptable, press the BMI HEIGHT/ENTER key and proceed to the next prompt. Otherwise, press the **♦RECALL** or **♦STORE** keys to select a new value (from 00 to 09 minutes in 1 minute increments) and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt. Note that selecting 00 disables the automatic shutoff feature.

NOTE! Default setting is #5#03 (3 minutes).

^{*} Refer to the TICKET FORMATS section of this manual for more information on the Ticket and Journal Formats.

SETUP (PD300 ONLY), CONT.

SLP__ (SLEEP MODE)

With display showing 5*LP*₋₋, press **BMI HEIGHT/ENTER** key to show current setting. If the value displayed is acceptable, press the **BMI HEIGHT/ENTER** key. Otherwise, press the **ARECALL** or **▼STORE** keys to select a new value (from 0 to 9 minutes in 1 minute increments) and then press the **BMI HEIGHT/ENTER** key. Note that selecting 00 disables the sleep mode feature.

NOTE! Default setting is 5*LP0* / (1 minute).

Once the **BMI HEIGHT/ENTER** key has been pressed at the Sleep Mode prompt, all Setup Process settings (current or new values) will be saved and the Setup Process will be finished. The display will show of and then shut the scale off.



NOTE! When you have finished changing Setup, the configuration counter will be increased by one.

CALIBRATION

Your ProDoc Series Scale was calibrated at the factory and should not require adjustment. In the event that the scale should need re-calibration, the following describes the calibration procedure. To maintain the instrument's high degree of accuracy, a qualified technician should perform this function.

Before beginning calibration, the following equipment is required:

150 kg (330 lbs) of calibrated test weight

To Enter Calibration

- With the scale off, press and hold the ZERO and the BMI HEIGHT/ENTER keys and then press the ON/OFF key.
- 2. The display will show [RL.
- 3. Release all keys.
- 4. The scale is now ready for calibration.



IMPORTANT! When a prompt and its value displayed are acceptable, press the **BMI HEIGHT/ENTER** key to retain the current setting and proceed to the next prompt. To change a setting, press the **♣RECALL** or **♦STORE** keys to select a new value and then press the **BMI HEIGHT/ENTER** key to save the new value and advance to the next prompt.

USR: (SET ZERO LIMIT)

This prompt selects whether the scale is used in the USA and has a zero limit or outside the USA with no zero limit.

With display showing U5R₂, press BMI HEIGHT/ENTER key to show current setting. If the value displayed is acceptable, press the BMI HEIGHT/ENTER key and proceed to the next prompt. Otherwise, press the ◆RECALL or ◆STORE keys to select a new value and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt.

Hold (HOLD MODE) "Lock Feature"

With display showing HŪL d, press BMI HEIGHT/ENTER key to show current setting. If the value displayed is acceptable, press the BMI HEIGHT/ENTER key and proceed to the next prompt. Otherwise, press the ◆RECALL or ◆STORE keys to select a new value and then press the BMI HEIGHT/ENTER key to save it and proceed to the next prompt.

0 = Disable Hold Mode **1** = Enable Hold Mode



NOTE! The Hold Mode "lock feature" is for non-commercial applications and must be disabled for "Legal for Trade" applications.

CALIBRATION, CONT.



IMPORTANT! This scale is equipped with an acceleration of gravity constant function which allows the scale to be calibrated in one location and then adjusted to match the acceleration of gravity at the location where it will used.

5866 (SET CALIBRATED GRAVITY CONSTANT)

The display will alternate between showing the SELGE prompt and the current calibrated gravity constant value setting. This setting (e.g. 9 .787) is the acceleration of gravity constant value for the location where the scale was calibrated.

With display showing 5££££, press **BMI HEIGHT/ENTER** key to show current setting. If the value displayed is acceptable, press the **BMI HEIGHT/ENTER** key and proceed to the next prompt. Otherwise, press the **♣RECALL** or **♦STORE** keys to select a new value and then press the **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt. Allowable values are 9.700 through 9.900.

ERLGE (SET OPERATED GRAVITY CONSTANT)

The display will alternate between showing the <code>[RLG]</code> prompt and the current operated gravity constant value setting. This setting (e.g. <code>9 .8 13</code>) is the acceleration of gravity constant value for the location where the scale will be operated.

If the value displayed is acceptable, press the **BMI HEIGHT/ENTER** key and proceed to the next prompt. Otherwise, press the **♦RECALL** or **♦STORE** keys to select a new value and then press the **BMI HEIGHT/ENTER** key to save it and proceed to the next prompt. Allowable values are 9.700 through 9.900.

NOTE! By default, the USA gravity constant will be used in non-OIML applications.

ERL ∩ (CALIBRATE SCALE) "Recommended to use 150kg for Calibration"

- **Step 1.** The display will change to show ERLN.
- **Step 2.** To skip calibration and save the previous settings, press the **BMI HEIGHT/ENTER** key. The scale will turn off automatically. Proceed to Step 12.
- Step 3. Otherwise press the **↑RECALL** or **♦STORE** keys to select **Y** (Y = Yes, start calibration) and then press the **BMI HEIGHT/ENTER** key.
- **Step 4.** Make certain the scale platform is empty and free of debris. Note that the internal count will be shown on the display.
- **Step 5.** When the reading is stable, press the **BMI HEIGHT/ENTER** key to save the zero reference point.
- **Step 6.** Place the calibrated test weights on the scale platform.
- Step 7. Input the test weight value digits using the ♠RECALL or ♦STORE keys and then press the BMI HEIGHT/ENTER key.
- Step 8. Weight reading will be stored when reading is stable and STA is shown.
- **Step 9.** The display will show of F and then shut the scale off.
- **Step 10.** Remove the test weights from the scale platform.
- **Step 11.** All settings and the new calibration have been saved.
- **Step 12.** The scale is now ready for normal operation.



NOTE! When you have finished the Calibration procedure, the calibration counter will be increased by one.

EVENT COUNTERS

The ProDoc Series Scale has been designed with an Event Counter type of security seal. When selected, the ProDoc display will show a 3-digit number representing the Calibration counter and then a 3-digit number representing the Setup counters.

To Review the Event Counter

- 1. If scale is on, press ON/OFF key.
- 2. Display will show oFF and turn scale off.
- 3. Press and hold the LOCK/RELEASE key and then press the ON/OFF key.
- **4.** The display will turn on all digits and show the software version for a few seconds.
- 5. Release all keys.
- **6.** The display will show ERLEH for two seconds and then change to show the 3-digit calibration counter.
- **7.** Next, the display will show **SEECH** for two seconds and then change to show the 3-digit setup counter.
- **8.** To return to normal operation, press the **UNITS** (**PRINT/UNITS** on PD300) key.
- **9.** Otherwise, press **ON/OFF** key to turn off scale.

TICKET FORMATS (PD300 ONLY)

The following formats apply to both the Serial port and the USB port. Note that the Serial port is to be used with a ticket printer and that the USB port can only communicate with a computer.

FORMAT "1" (Ticket Format)

If FORMAT "1" (Ticket Format) was selected for the USB or RS232 PORT FUNCTION, USb = I or rS232 = I, during setup of the scale, the data will be printed in the following format:

Time, mm/dd/y	уу
ВМІ	21.5
Height	175.0cm
Weight	68.0kg

Note that the Ticket Format above includes spaces and descriptions.

FORMAT "2" (Journal Format)

If FORMAT "2" (Journal Format) was selected for the USB or RS232 PORT FUNCTION, USb = 2 or r 5232 = 2, during setup of the scale, the data will be printed in the following format:

Time, Date, BMI, Height, Weight <CR>

Note that the Journal Format above includes commas between each field and a carriage return to terminate the record.

REMOTE PRINT COMMAND

This command is equivalent to pressing and holding the **UNIT/PRINT** key for over 2 seconds. The scale will respond by outputting to the USB port either Format "1" or Format "2" based on the parameters selected in the USB PORT FUNCTION section of setup.

The host device (computer) sends:

<LF> P <CR>

DISPLAY MESSAGES

The ProDoc Series Scale is equipped with software that tests various portions of the scale's circuitry and verifies proper operation. Should a problem be detected, a message will be displayed alerting the operator to that condition. The following lists the messages displayed and their meaning:

Display	Meaning
Err0	This will be displayed for a few seconds when the scale cannot establish zero and then the display will show σFF and turn the scale off. Refer to the TROUBLESHOOTING section below.
Err3	This will be displayed if there is a communication problem between the display unit and scale base <u>or</u> between the scale and digital height rod.
EEP	This will be displayed if the EEPROM IC has some problem. Please consult your scale service representative.
off	Displayed to indicate scale is turning off.
ь <u></u> ዋኑ	Displayed when the batteries are near the point they need to be replaced.
OCAP	Scale weight exceeds scale capacity.
	Attempting to use the Digital Height Rod without the height rod in the starting position. The inner sliding tube must be down completely inside the outer stationary tube and the headpiece folded flat against the outer stationary tube.

TROUBLESHOOTING

Your scale has been designed to provide you with years of trouble-free operation. In spite of this, troubles sometimes happen. Before calling for service assistance you should make some initial checks to verify that a problem does exist. The following describes several types of symptoms along with suggested remedies.

PROBLEM	POSSIBLE SOLUTIONS
Display does not turn on	Battery Operation: Check if batteries are installed and correctly. Are batteries discharged? Remove old batteries and replace with new ones.
	 AC Operation: Is 9V AC/DC power adapter fully inserted into wall receptacle? Check wall receptacle for proper AC power. Try another electrical appliance in same receptacle, does it work? Check circuit breaker. Has there been power failure?
Incorrect weight displayed	Ensure that the scale platform isn't touching an adjacent object. Have proper operation procedures been followed?
Display shows Err 0 and shuts off	If the platform is not empty (patient is on scale) when powering up, the display will show $\mathcal{E}_{\mathcal{C}\mathcal{C}}$ and turn off. Remove any weight from platform (have patient step off scale) and power up the scale again. If scale continues to show $\mathcal{E}_{\mathcal{C}\mathcal{C}}$ and turn off, consult your scale service representative.
Display shows a moving small o	If the display shows a moving small o when powering up, insure the scale is stable and wait for a moment until the display shows $O.O.$ If scale continues to show a moving small o , please consult your scale service representative.

CARE AND CLEANING

- **DO NOT** submerge scale in water, pour or spray water directly on the display.
- **DO NOT** use acetone, thinner or other volatile solvents for cleaning.
- **DO NOT** expose scale to temperature extremes.
- **DO NOT** place scale in front of heating/cooling vents.
- **DO** clean the scale and display with a damp soft cloth and mild non-abrasive detergent.
- **DO** remove power before cleaning with a damp cloth.
- **DO** provide clean AC power and adequate protection against lightning damage.
- **DO** keep the surroundings clear to provide clean and adequate air circulation.