

AE ADAM

Adam Equipment

MDW-250L
DIGITAL PHYSICIAN SCALE
(P.N. 4302, Rev. B4, January 2006)

1.0 INTRODUCTION

- The MDW 250L scale is a Digital Physician Scale.
- It is an accurate electronic device with advanced design and stable performance.
- It is designed to measure both the weight and the height of a person.



2.0 TECHNICAL SPECIFICATIONS

Maximum capacity	250 kg
Minimum capacity	2 kg
Scale division	100 g
Height range	80 cm-210 cm
Division of measurement	0.5 cm
Accuracy class	III
Display	LCD
Size of platform	372 X 272 mm
Overall dimension	535 X 275 X 940 mm
Deadweight	13 kg
Environment for Use	Temperature: 5°C-40°C; Humidity: <85% RH
Power	AC 220V through an adapter
Battery	Internal, re-chargeable 6V, 5 hours approx.

3.0 DISPLAY AND KEY DESCRIPTIONS



KEYS	FUNCTIONS
[On/Off]	To turn the scale on or off.
[Hold]	To lock the reading even if the person to be weighed is moving.
[Tare/Zero]	To zero the scale if the display drifts from zero. To tare the scale, if necessary.
[Func]	To set up the service parameters
[kg/ lb]	To switch the weighing unit between Kg and lb

DISPLAY	DESCRIPTIONS
Zero	The arrow above Zero will be displayed when the scale reaches zero.
Stab	To indicate that the weighing result is stable
Tare	To indicate the scale is tared
Hold	This indicates the Hold function is enabled
lb	To indicate the reading is in lb
kg	To indicate the reading is in kg
▼	The arrow indicator will point at kg, lb, Hold, Tare, Stab or/and Zero marked below the LCD panel, as on when they are chosen.
● AC	When the adapter is connected to recharge the battery, it will show a red indicator.

4.0 SETTING UP THE SCALE

- Take the Physician scale out of the box.
- Remove the three screws from the bottom of the pillar.
- Place and rotate the pillar and secure it to an upright position using the three screws and connect the cable by fixing the connector.
- Slide the pole cover to the bottom.
- Remove the screw at the top of the pillar and turn the indicator panel to 180 degree. Tighten the screw until the indicator panel is secured.
- Position the height measuring rod and secure it by fixing its threaded end.
- Connect the adapter power supply to the main power supply and put the switch at the rear of the scale to ON.

5.0 WEIGHING

- Place the Physician Scale on an even floor and press the **[On/Off]** key.
- The instrument performs a self-test after which it is ready for operation. The display will show “**0.0**” with an arrow symbol, above **kg** or **lb**, indicating the last chosen unit.
- The arrow above **Stab** will be on when the reading is stable.
- Press the **[On/Off]** key to switch off the scale. If the scale is not to be used for a long time, the main power switch should be turned off to save the battery life.
- To start weighing, press **[On/Off]**, the scale will show “**0.0**”.

- If the scale is still displaying a small weight when there is no load on the platform, it needs to be zeroed. Press the **[Tare/Zero]** key to zero the display. The arrow above **Zero** will be on. If the zero display is not achieved then the scale may need to be re-calibrated.
- If the weighing value is to be tared to obtain the net value, press **[Tare/Zero]** again. The arrow above **Tare** will be on.
- The person to be weighed can step on to the platform now. The weight will be displayed in Kg or lb depending on the units chosen by the user.
- **Units:** Press the **[kg/lb]** key for changing the weighing unit to kg or lb. An arrow will indicate towards the chosen unit.
- **Backlight:** The scale has an automatic back-light which is switched on whenever time the scale is in use.
- **Overload display:** When “**OL**” appears on the display, it shows that the load on the platform is over the maximum capacity. It is necessary to reduce the load otherwise the sensor or the platform may be damaged.
- **Hold Function:** To lock the weighing result, press the **[Hold]** key. The arrow indicator will point towards **Hold** and it will show a steady reading even if the person on the platform is moving or goes away from the scale and will not allow the next weighing. To release the function, press **[Hold]** again.
- Do not press the **[On/Off]** key if you do not want to weigh as pressing the **[On/Off]** key will switch the scale to **ON**.

6.0 MEASURING HEIGHT

- While measuring the height, it is necessary to pull up the measuring board at a right angle with the inside tube.
- When the tube is pulled out straight, it is sufficient to measure the height from 80 to 126 cm. The number can be obtained upon the conjoint place where the upper part of middle tube screw meets with the inside tube scale.

- Further, if the middle tube is pulled out straight, it is possible to measure the height from 126-190 cm. The reading can be obtained at the conjoint place where the upper part of outside tube screw meets with the middle tube scale.

7.0 MAINTENANCE

- Do not dismantle the weighing machine without following the necessary instructions.
- Do not jump while standing on the load-bearing board. This may damage the sensor inside.
- Do not move the weighing machine violently and abruptly. It is recommended to move and put down the weighing machine gently.
- It is suggested to wipe the stains with soft cloth soaked with detergent and to wipe later with soft cloth too. Do not use organic solutions and boiled water to wipe the stains. Do not use water for cleaning.
- Keep the weighing machine in a dry and clean environment. Do not expose it outdoor or use it in locations near fire, under direct sunshine or with high temperature.
- When lifting the height meter, it is suggested to pull it straight along the pipe without using excessive force.
- The **[On/Off]** key on the screen board only switches off the screen power instead of the entire power to the weighing machine. Therefore, it is necessary to switch off the main power supply when the weighing machine is not in use for a long time. Otherwise the battery may be damaged as a result of over-discharge.



Manufacturer's Declaration of Conformity

This product has been manufactured in accordance with the harmonised European standards, following the provisions of the below stated directives:

Electro Magnetic Compatibility Directive 89/336/EEC

Low Voltage Directive 73/23/EEC

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FCC COMPLIANCE

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. The equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Shielded interconnect cables must be employed with this equipment to insure compliance with the pertinent RF emission limits governing this device.

Changes or modifications not expressly approved by Adam Equipment could void the user's authority to operate the equipment.

ADAM EQUIPMENT is an ISO 9001:2000 certified global organisation with more than 30 years experience in the production and sale of electronic weighing equipments. Products are sold through a world wide distributor network -supported from our company locations in the UK, USA, SOUTH AFRICA and CHINA. The company and their distributors offer a full range of Technical Services such as on site and workshop repair, preventative maintenance and calibration facilities.

ADAM's products are predominantly designed for the Laboratory, Educational, Medical and Industrial Segments. The product range can be classified as follows:

- Analytical and Precision Laboratory Balances
- Top Loading Scales for Educational establishments
- Counting Scales for Industrial and Warehouse applications
- Digital Weighing/Check-weighing Scales
- High performance Platform Scales with extensive software features including parts counting, percent weighing etc.
- Crane scales for heavy-duty industrial weighing
- Digital Electronic Scales for Medical use
- Retail Scales for price computing

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