

## Doran DS2100

# Doran DS2100 Mechanical Physician Scale User Manual

Model: DS2100

### INTRODUCTION

This manual provides comprehensive instructions for the setup, operation, and maintenance of your Doran DS2100 Mechanical Physician Scale. Designed for accurate and reliable weight measurement, this scale is suitable for various professional settings.

Key features of the DS2100 include a maximum weighing capacity of 450 lbs (200 kg), large two-inch diameter wheels for easy mobility, and a convenient mechanism for switching between pound and kilogram units. It also integrates an aluminum telescoping height rod for measuring both pediatric and adult patients, and a generously sized platform with a removable, slip-resistant cover.



An image showing the complete Doran DS2100 Mechanical Physician Scale. It features a large weighing platform at the base, a central column with an integrated height rod, and a weighbeam mechanism at the top for displaying weight measurements in both pounds and kilograms.

## SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Inspect for any signs of damage during transit.

2. **Assembly:** Attach the weighbeam column to the scale base according to the included assembly diagrams (not provided in this document, refer to packaging inserts). Ensure all connections are secure.
3. **Placement:** Position the scale on a firm, level, and stable surface. Uneven surfaces can affect accuracy.
4. **Leveling:** Verify the scale is level. Most mechanical scales have adjustable feet or a built-in level indicator. Adjust as necessary to ensure proper balance.
5. **Initial Zeroing:** Before first use, ensure the weighbeams are balanced at zero. Adjust the counterweights until the scale is perfectly balanced without any load.

## OPERATING INSTRUCTIONS

1. **Prepare the Scale:** Ensure the scale is on a level surface and the weighbeams are balanced at the zero mark before each use.
2. **Weighing a Patient:**
  - Instruct the patient to step onto the center of the scale platform.
  - Adjust the larger lower weighbeam first to the nearest major increment below the patient's estimated weight.
  - Then, adjust the smaller upper weighbeam until the scale is perfectly balanced. The indicator should align with the balance mark.
  - Read the weight by summing the values indicated on both weighbeams.
3. **Switching Units (Pounds/Kilograms):** The DS2100 features color-coded weighbeams with standard (pounds) and metric (kilograms) units on two separate sides. To switch units, simply twist the weighbeams to display the desired unit. Ensure the correct side is facing upwards for accurate reading.
4. **Using the Height Rod:**
  - With the patient standing on the scale, extend the telescoping height rod upwards.
  - Lower the headpiece gently onto the patient's head, ensuring they stand straight.
  - Read the patient's height from the measurement markings on the rod.
5. **After Use:** Gently assist the patient off the scale. Return the weighbeams to the zero position and retract the height rod for storage.

## MAINTENANCE

- **Cleaning:** Clean the scale regularly with a soft, damp cloth and mild soap. Avoid abrasive cleaners or solvents that could damage the finish or markings. Ensure the scale is dry after cleaning.
- **Platform Cover:** The slip-resistant platform cover is removable for easy cleaning. Ensure it is securely replaced before use.
- **Inspection:** Periodically inspect the scale for any loose parts, wear, or damage to the weighbeams, height rod, or platform. Address any issues promptly.
- **Leveling:** Regularly check that the scale remains on a level surface to maintain accuracy.
- **Storage:** Store the scale in a dry environment, away from extreme temperatures or direct sunlight.

## TROUBLESHOOTING

- **Inaccurate Readings:**

- Ensure the scale is on a firm, level surface.
  - Verify the scale is properly zeroed before the patient steps on.
  - Check that the weighbeams are not obstructed and move freely.
  - Confirm the correct unit (lb or kg) is selected and read.
- **Weighbeams Not Balancing:**
    - Ensure no foreign objects are on the platform or interfering with the weighbeam mechanism.
    - Check for any damage to the weighbeams or their pivots.
- **Height Rod Sticking:**
    - Clean the height rod and its channel to remove any dust or debris.
    - Apply a small amount of silicone lubricant if necessary, avoiding contact with measurement markings.

## SPECIFICATIONS





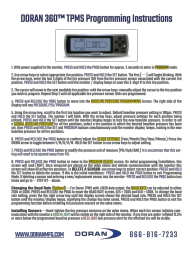
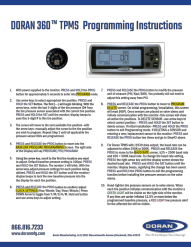
Feature	Specification
Model Number	DS2100
Maximum Capacity	450 lb x 4 oz (200 kg x 100 g)
Accuracy	+/- 4 oz (100 g)
Displayed Units	lb or kg
Height Rod Measurement Range	24" to 79" (75 to 200 cm)
Construction Material	Powder Coated Painted Steel
Manufacturer	Doran

## WARRANTY AND SUPPORT

For specific warranty information regarding your Doran DS2100 Mechanical Physician Scale, please refer to the documentation included with your purchase or contact the retailer/manufacturer directly. Warranty terms typically cover defects in materials and workmanship for a specified period.

Should you require technical assistance, replacement parts, or further support, please contact Doran customer service or your authorized dealer. Contact information can usually be found on the manufacturer's official website or on your purchase receipt.

## Related Documents - DS2100

	<p><a href="#">Doran Scales Medical Catalog: Healthcare Solutions by Design</a></p> <p>Comprehensive catalog of Doran Scales medical products, featuring infant, physician, handrail, wheelchair, chair, and portable scales, along with essential accessories. Discover high-quality, reliable, and affordable weighing solutions designed for healthcare professionals.</p>
	<p><a href="#">DORAN 360™ TPMS Transceiver Programming Instructions</a></p> <p>Step-by-step guide for programming DORAN 360™ TPMS transceivers using the SmartLink™ tablet, including sensor ID input, baseline pressure settings, and data transmission.</p>
	<p><a href="#">DORAN Exterior Signal Booster Installation Guide (#3625)</a></p> <p>Installation instructions and product overview for the DORAN Exterior Signal Booster (part #3625), designed to improve sensor signal reception for tire pressure monitors. Learn about power supply, placement, and mounting.</p>
	<p><a href="#">Doran 360SLT2 SMARTLINK TPMS Tablet User Manual</a></p> <p>User manual for the Doran 360SLT2 SMARTLINK TPMS Tablet. This document provides detailed instructions on setup, functions, programming transceivers, reading tire sensor data, managing saved files, app settings, accessing the YardCheck360 web portal, FAQs, specifications, and warranty information.</p>
	<p><a href="#">Doran 360™ TPMS Programming Instructions</a></p> <p>Instructions for programming the Doran 360™ Tire Pressure Monitoring System (TPMS), covering sensor ID entry, baseline pressure setup, clock settings, and sensor installation.</p>
	<p><a href="#">Doran 360 TPMS Programming Instructions</a></p> <p>Step-by-step guide for programming the Doran 360 TPMS system, including sensor ID entry, baseline pressure setting, and baud rate adjustment.</p>



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### [Doran Scales Medical Catalog: Healthcare Solutions by Design](#)

Comprehensive catalog of Doran Scales medical products, featuring infant, physician, handrail, wheelchair, chair, and portable scales, along with essential accessories. Discover high-quality, reliable, and affordable weighing solutions designed for healthcare professionals.

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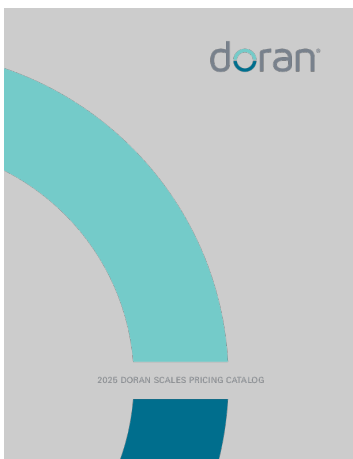


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