



[Manuals.plus](#) /

> [Detecto](#) /

> Detecto Mechanical Pediatric Baby Scale Model 450 Instruction Manual

Detecto 450

Detecto Mechanical Pediatric Baby Scale Model 450 Instruction Manual

Accurate and reliable weighing for pediatric patients.

INTRODUCTION

This manual provides instructions for the proper setup, operation, and maintenance of your Detecto Mechanical Pediatric Baby Scale, Model 450. Please read this manual thoroughly before using the scale to ensure accurate measurements and safe operation. Retain this manual for future reference.

IMPORTANT SAFETY INFORMATION

- Always place the scale on a firm, level, and stable surface to ensure accurate readings and prevent tipping.
- Never leave an infant unattended on the scale.
- Ensure the baby tray is securely seated before placing an infant on it.
- Keep the scale clean and dry. Avoid exposing it to excessive moisture or extreme temperatures.
- Do not attempt to disassemble or repair the scale yourself. Refer to qualified service personnel.
- This scale is designed for weighing infants and small children within its specified capacity. Do not exceed the maximum weight capacity of 130 lbs (59 kg).

PACKAGE CONTENTS

Verify that all components are present and undamaged upon unpacking:

- Detecto Mechanical Pediatric Baby Scale Base
- Weigh Beam Assembly
- Polystyrene Baby Tray
- Instruction Manual (this document)

SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all parts from the packaging.
2. **Place Scale Base:** Position the scale base on a flat, stable, and level surface. Ensure there is adequate space around the scale for safe operation.
3. **Attach Weigh Beam:** Securely attach the weigh beam assembly to the vertical support column on the scale base. Ensure it is firmly seated and stable.
4. **Install Baby Tray:** Place the polystyrene baby tray onto the designated area on the scale base. The tray should fit snugly and securely, preventing any wobbling.
5. **Zero the Scale:** Before first use and periodically, ensure the scale is properly zeroed. Adjust the tare weight knob (if present, typically on the weigh beam) until the weigh beam is balanced at the zero mark without any weight on the tray.



Figure 1: Fully assembled Detecto Mechanical Pediatric Baby Scale Model 450. Shows the base, weigh beam, and baby tray.

OPERATING INSTRUCTIONS

1. **Prepare the Scale:** Ensure the scale is on a stable surface and properly zeroed. If using a blanket or diaper, place it on the tray first and re-zero the scale to account for its weight.
2. **Place Infant:** Carefully place the infant onto the center of the baby tray. Ensure the infant is calm and still for an accurate reading.
3. **Read Weight:** Adjust the large and small weight poises on the weigh beam until the beam balances in the center. Read the weight indicated by the combined values of the poises. The scale measures in pounds and ounces.
4. **Measure Length (Optional):** The integrated measuring tape on the baby tray allows for length measurement. Gently extend the infant and read the length directly from the tape.
5. **Remove Infant:** Carefully remove the infant from the tray after recording the measurements.



Figure 2: Close-up view of the weigh beam and poises, showing the weight markings and adjustment mechanism.

MAINTENANCE AND CLEANING

- **Cleaning:** Wipe the scale and tray with a soft cloth dampened with a mild disinfectant solution after each use. Do not use abrasive cleaners or immerse the scale in water.
- **Storage:** Store the scale in a clean, dry place away from direct sunlight and extreme temperatures.
- **Inspection:** Periodically inspect the scale for any signs of wear or damage. Ensure all components are secure.
- **Calibration:** Mechanical scales generally maintain accuracy well, but if you suspect inaccuracies, consult a qualified service technician for calibration.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate readings	Scale not level; not zeroed; infant moving; foreign object on scale.	Ensure scale is on a level surface. Zero the scale before use. Wait for infant to be still. Check for debris.
Weigh beam does not balance	Poises not correctly positioned; scale overloaded.	Adjust poises carefully. Ensure weight is within capacity (max 130 lbs).
Tray wobbles	Tray not seated correctly.	Remove and re-seat the baby tray firmly onto the base.

SPECIFICATIONS

Model: 450

Capacity: 130 lb x 1 oz (60 kg x 20 g)

Units: Pounds (lb)

Measuring Tape: 0 to 21 in x 0.25 in / 0 to 53 cm x 0.1 cm

Tray Dimensions: 22 in W x 14.75 in D x 4.5 in H (55.9 cm W x 37.5 cm D x 11.4 cm H)

Construction: Powder-Painted Steel base, Polystyrene Tray

Product Dimensions: 19 x 27 x 12 inches (48.3 x 68.6 x 30.5 cm)

Item Weight: Approximately 33 Pounds (15 kg)

Display Type: Analog (Weigh Beam)

WARRANTY AND SUPPORT

Detecto products are manufactured to high-quality standards. For specific warranty details, please refer to the warranty card included with your purchase or visit the official Detecto website. For technical support, replacement parts, or service inquiries, please contact Detecto customer service.

Manufacturer: Detecto

Website: www.detecto.com (Note: This is a placeholder link, please refer to official documentation for exact contact details.)