MODEL DR550
DIGITAL SCALE
Owner's Manual

8525-M300-01 Rev B
03/12

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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. Stock No. 001-000-00315-4.

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INTRODUCTION

Thank you for purchasing our Detecto Model DR550 Digital Scale. The DR550 is equipped with a Stainless Steel platform that is easily removed for cleaning. With the included 9V DC adapter, the scale can be used in a fixed location.

This manual will guide you through setup and operation of your scale. Please read it thoroughly before attempting to operate this scale and keep it handy for future reference.

SPECIFICATIONS

Weight Display:	LCD, 4 1/2 Digit, 1.0” Characters
Display Size	10.63" W x 3.54" D x 1.77" H (270 mm x 90 mm x 45 mm)
Platform Size:	12.2" W x 11.8" D x 1.97”H (310 mm x 300 mm x 50 mm)
Zero:	Established on power up routine and maintained by auto-zero circuitry.
Power:	9V DC 100mA power supply or (6) AA alkaline batteries (not included)
Tare:	100% of full scale capacity
Temperature:	40 to 105°F (5 to 40°C)
Humidity:	25% ~ 95% RH
Capacity x Division:	550lb x 0.2lb (250kg x 0.1kg)
Keys:	ON/OFF, NET/GROSS, UNIT, TARE
Features:	Low battery indicator, Power saving selectable timing auto shut-off

CARE AND MAINTENANCE

The heart of the DR550 Digital Scale is 4 precision load cells located in the four corners of the scale base. It will provide accurate operation indefinitely if protected against overload of scale capacity, dropping items on scale, or other extreme shock.

- **DO NOT** submerge scale or display in water, pour or spray water directly on them.
- **DO NOT** use acetone, thinner or other volatile solvents for cleaning.
- **DO NOT** expose scale or display to direct sunlight or temperature extremes.
- **DO NOT** place scale in front of heating/cooling vents.
- **DO** clean 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 surroundings clear to provide clean and adequate air circulation.

Serial Number_____
Date of Purchase _____
Purchased Form_____

RETAIN THIS INFORMATION FOR FUTURE USE

PRECAUTIONS

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

IMPORTANT

ELECTRICAL WARNING

INSTALLATION

Unpacking

Before beginning installation of your scale, make certain the instrument has been received in good condition. When removing the scale from its packing, inspect it for signs of damage, such as exterior dents and scratches. Keep the carton and packing material for return shipment if it should become necessary. It is the responsibility of the purchaser to file all claims for any damages or loss incurred during transit.

1. Remove the scale from the shipping carton and inspect it for any signs of damage.
2. Plug-in the supplied 9VDC power supply or install (6) AA 1.5V alkaline battery. Refer to the POWER SUPPLY or BATTERY sections of this manual for more instruction.
3. Place the scale on a flat level surface, such as a table or bench.
4. The scale is now ready for use.

Power Supply

To apply power to the scale using the supplied 9VDC, 100 mA power supply, insert the plug from the power supply cable into the power jack on the back of the scale and then plug power supply into the proper electrical outlet. The scale is now ready for operation.

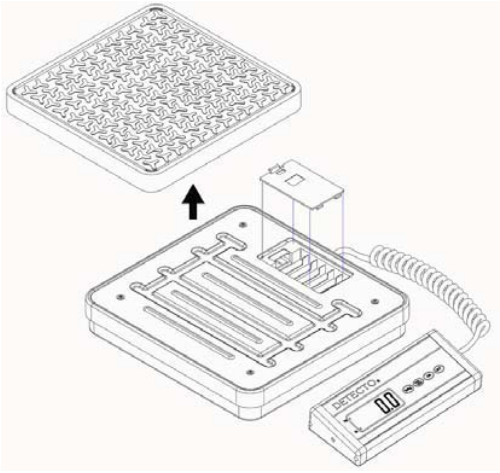
Battery

The scale can use (6) AA 1.5V alkaline batteries (*not included*). If you wish to operate the scale from batteries, you must first obtain and install the batteries. The batteries are contained in a cavity inside the scale. Access is via an removable door on the top cover of the scale.

Battery Installation

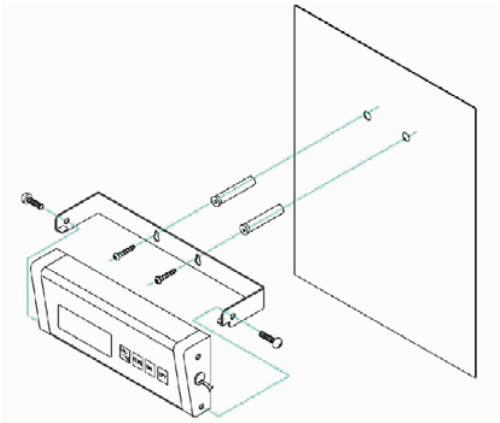
The DR550 Digital Scale operates with (6) “AA” batteries (Alkaline preferred).

1. Place unit upright on a flat surface and lift platform from top of scale.
2. Remove battery compartment door and insert batteries into compartment. Make certain to observe the correct polarity.
3. Replace compartment door and platform cover on scale.

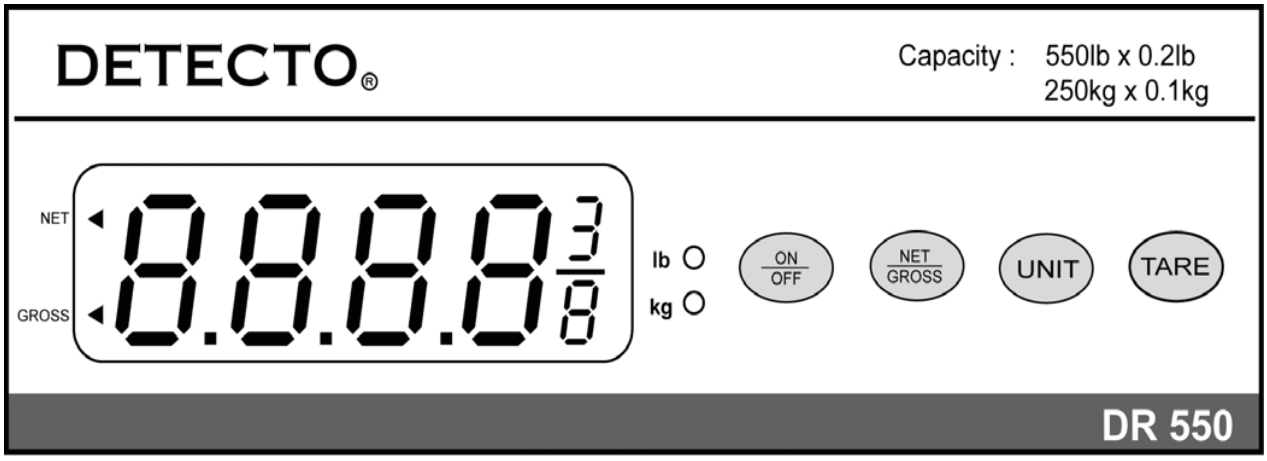


Mounting the Unit

1. Mount bracket to wall using (2) screws that are appropriate anchors for the surface being mounted to.
2. Lower control panel into mounted bracket. Insert flat tip screws (included) through round holes in mounting bracket and drive the screws into existing threaded holes in lower half of control panel to secure control panel to bracket.



DISPLAY 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.

Net
The “Net” annunciator is turned on to indicate that the displayed weight is in net mode.

Gross
The “Gross” annunciator is turned on to indicate that the displayed weight is in Gross mode.

▪ (Minus Weight)
This annunciator is turned on when a negative (minus) weight is displayed.

lb
Red LED at the right of “lb” will be turned on to indicate the displayed weight is in pounds.

kg
Red LED at the right of “kg” will be turned on to indicate the displayed weight is in kilograms.

Lo (Low Battery)
When the batteries are near the point they need to be replaced, a low battery indicator on the display will turn on. If the 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 low battery indicator is displayed, the operator should replace the batteries or remove the batteries and plug the power supply into the scale and then into the proper electrical wall outlet.

KEY FUNCTIONS

ON / OFF

1. Press and release to turn on scale.
2. Press and release to turn the scale off.

NET / GROSS

1. Toggle between Gross and Net.

UNIT

1. Press to change the weighing units to the alternate units of measurement (if selected during configuration of the scale).
2. In the Configuration mode, press to confirm the setting for each menu.

TARE

1. Press to reset the display to zero up to 100% of the scale capacity.
2. Press and hold for 6 seconds to enter Configuration mode.
3. In the Configuration mode, press to select menu.

OPERATION

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

Turn the Scale On

Press the **ON / OFF** key to turn the scale on. The scale will display 8888 then change to the selected weighing units.

Select the Weighing Unit

Press the **UNIT** key to alternate between the selected weighing units.

Weighing an Item

Place the item to be weighed on the scale platform. Wait a moment for the scale display to stabilize, then read the weight.

To Re-Zero the Weight Display

To re-ZERO (tare) the weight display, press the **TARE** key and continue. The scale will re-ZERO (tare) until the full capacity is reached.

Net / Gross Weighing

This is useful when weighing in merchandise to be weighed in a container. To control the total weight, the value of the container may be retrieved. This way it is possible to control to what extent the loading area of the scale is utilized. (Gross, i.e. incl. weight of container).

Turn The Scale Off

With the scale turned on, press the **ON / OFF** key to turn the scale off.

CONFIGURATION

The scale has been pre-configured at the factory and should not require configuration for use in most applications. In the event that the factory settings do not meet the requirements of your application, the following describes the steps to configure the scale.

To Begin Configuration:

1. Press the **ON / OFF** key to turn on the scale.
2. Press and hold **TARE** key for 6 seconds.
3. When the display shows [SEt], release the **TARE** key to enter the CONFIGURATION mode.
4. The display will change to show [Unit] .

Automatic Shutoff

1. With the display showing [Unit], press the **TARE** key.
2. The display will change to show [AOFF].
3. Press the **UNIT** key to begin selection of the automatic shut-off time (in seconds).
4. The display will change to show [120].
5. Press the **TARE** key to toggle through the selections, 120, 180, 240, 300, or OFF.
6. When the desired time is displayed, press the **UNIT** key.
7. The display will change to show [AOFF].
8. Proceed to “Saving the Settings”.

Saving the Settings

1. With the display showing [AOFF], press the press **TARE** key.
2. The display will change to show [End].
3. Press the **UNIT** key to save the settings and reset the scale.
4. Setup is complete.

DISPLAY MESSAGES

DISPLAY	MEANING
Lo	Low battery indication
ErrE	E^2prom Error
ErrL	Zero count low (under 64)
Err	Zero count high (over 32500)
Err	Over Load