



Model 8000

User's Manual

Manual Revision: 1.0

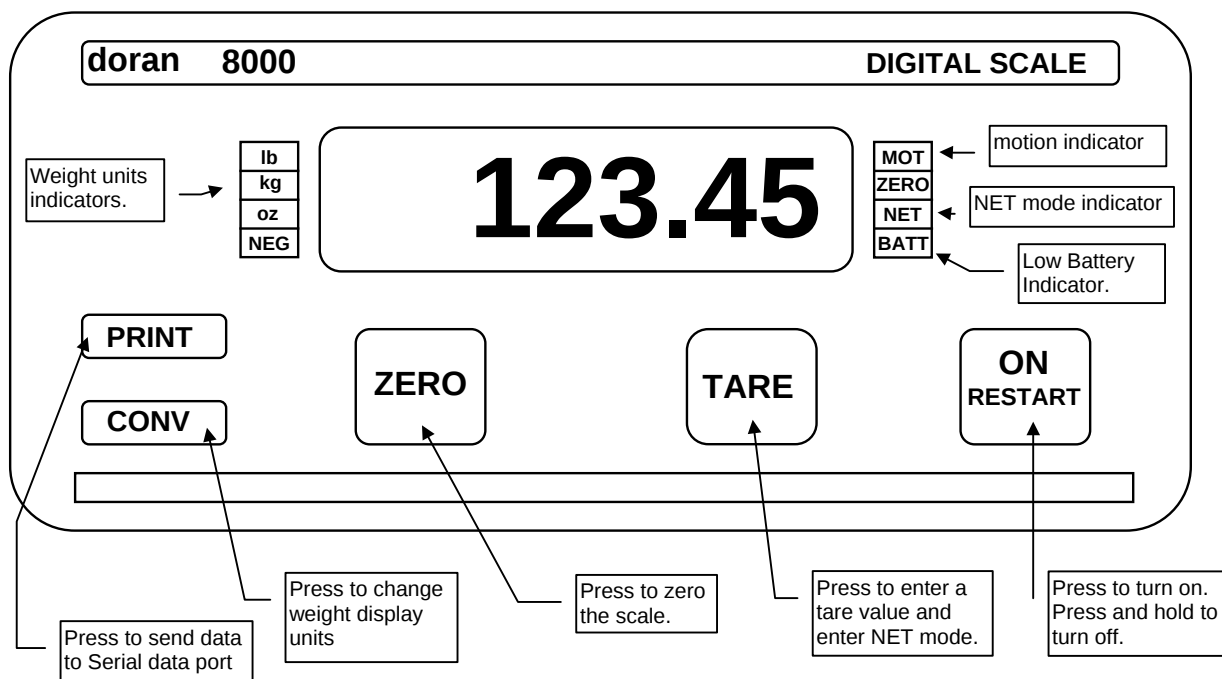
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QUICK START GUIDE



POWER UP:

Press and release ON/RESTART to turn on the 8000 indicator.

BASIC WEIGHING OPERATION:

1. Start with an empty platform.
2. Press ZERO to zero the scale.
3. Place item to be weighed on the platform.
4. Read the weight on the display when the "MOT" led turns off.

TURN OFF:

1. Press and hold ON/RESTART until the indicator turns off.

or

2. Indicator will turn off at the end of the programmed power on time delay.

PRECAUTIONS

Before unpacking your Model 8000, please note that although it is a durable industrial scale, it is also a sensitive weighing instrument. Normal care should be taken when handling and using the scale. Please observe the following precautions to insure years of trouble free service from your Model 8000.

- * DO NOT drop the scale platform or indicator.
- * DO NOT drop objects onto the scale platform.
- * DO NOT immerse the scale platform or indicator.
- * DO NOT pick up the scale platform by the "spider"

Improper handling or abuse of the scale could be damaging and result in costly repairs to your unit which may not be covered under warranty.

UNPACKING

Carefully remove the scale platform, the indicator and the platter from the shipping carton. Retain the shipping carton and all packing material in case reshipment is required. Note that the indicator and platform are connected by a 5' cable; be careful not to pull too hard on this cable.

INSTALLATION

LOCATING THE SCALE

Choose a location that is sturdy and free from vibration and air currents. Vibration from heavy equipment and air currents from fans, heating ducts, etc. can cause the scale display to fluctuate.

Locate the desired position for the scale indicator. Use the mounting bracket to permanently mount the indicator to a wall, shelf or counter. Use the two holes provided in the bracket to affix it to the desired location.

Adjust the indicator to its desired viewing angle and tighten down the knobs.

Place the scale platform in its desired location. Level the platform by adjusting the four corner feet until the bubble in the bubble level, located beneath the top platter of the platform, is within the center circle.

Test for a stable condition by trying to rock the platform backward and forward and side to side. Adjust the feet for final levelness and stability.

ELECTRICAL CONNECTIONS:

The Model 8000 requires 115VAC, 50/60 Hz power (220VAC optional) for charging.

Be sure that the AC power is not too noisy - this can occur if large inductive loads, like solenoids or motors are on the same power line. The 8000 has a filtered power supply to reduce the effects of normal line noise, but it cannot limit severe noise.

INTRODUCTION

The Doran Scales Model 8000 incorporates state-of-the-art CMOS microprocessor technology, a high energy-density rechargeable battery, and low power LED displays to provide the ultimate in scale power, portability and flexibility.

This combination of leading edge electronics, rugged stainless steel gasketed construction and high quality water resistant double-capacity load cell is designed to provide the highest degree of accuracy while maintaining the durability necessary to hold up to hostile industrial environments.

Major features of the 8000 are:

- * Legal for Trade operation
- * Rechargeable battery. 40 hours of continuous use from a fully charged battery.
- * Self contained charger. Scale operates on AC during recharge.
- * Automatic pushbutton calibration.
- * Pushbutton ON/RESTART, TARE, ZERO, CONV and PRINT.
- * Bright, easy to read LED display.
- * Read weight in LB, KG, G, OZ and LB & OZ.
- * Serial data output.

Please be sure to read this entire manual to assure yourself of getting all the benefits of these and the other advanced features of the Doran Scales Model 8000.

This scale is backed by a full 2 year factory warranty. Should you have any problems, contact your authorized Doran Scales distributor or call Doran Scales' service department direct at 1-800-262-6844 for assistance. Do not return a scale to the factory without first obtaining a Return Material Authorization (RMA) number.

PUSHBUTTON FUNCTIONS

ON/RESTART	Press and release to turn on. Press and hold to turn off.
ZERO	Zeros the scale. Active only in the gross mode.
TARE	Press and release to enter a tare. The tare value will be entered and switch the 8000 to net mode. Press and hold for two or more seconds to clear and return the 8000 to the gross mode.
CONV	Changes the weight display unit each time it is pressed.
PRINT	Transmits data out the serial data port.

STATUS ANNUNCIATORS:

lb	Weight display is in pounds.
kg	Weight display is in kilograms or grams.
oz	Weight display is in ounces.
lb & oz	Simultaneous "lb" and "oz" annunciators indicate weight displayed in pounds and ounces.
NEG	Indicates negative weights in the "lb & oz" weight display mode only.

MOT	Motion indication(weight is changing).
ZERO	Indicates "Center of Zero".
NET	A Tare is entered and the scale is in the net weight mode.
BATT	Low battery indication. The scale's battery needs to recharged.

BASIC OPERATION

POWER UP:

Press and release ON/RESTART to turn on the 8000 indicator.

When the 8000 On Timer function is programmed to a time delay, it will turn on and stay on for the preset time. The 8000 will turn off automatically after the delay time, unless it is reset by one of the following:

1. Any pushbutton is pressed momentarily
2. Scale activity occurs - indicated by the "MOT" LED.
3. ON/RESTART is pressed and held - this will turn the unit off at any time.

WEIGHING:

Gross Weighing Mode:

1. Start with an empty platform.
2. Press ZERO to zero the scale.
3. Place item to be weighed on the platform.
4. Read the weight on the display when the "MOT" led turns off.

Net Weighing Mode:

1. Start with an empty platform.
2. Press ZERO to zero the scale.
3. Place container on the platform that is the tare weight.
4. Press TARE to store the tare value. Indicator will switch to NET mode.
The tare value will remain stored until it is cleared, or the unit turns off.
5. Place item(s) in the box and read the net weight on the display when the "MOT" led turns off.
6. Press and hold TARE for two or more seconds to clear and return the 8000 to the gross mode.
7. A new Tare can be entered at any time by simply placing the object to be tared on the scale and pressing the TARE button momentarily.

BATTERY OPERATION

Note: 8000IS users, refer to the 8000IS Manual.

The 8000 is internally equipped with a self-contained rechargeable, sealed, gelled-electrolyte battery and charging circuit. The 8000 is designed to run continuously for 40 hours** on a fully charged battery. (**with only 1 350 ohm load cell.)

The charging circuit will fully charge the battery in approximately four hours. To charge the battery, simply plug the line cord into a standard 115V (220V optional) wall outlet.

The 8000 can be used while recharging the battery. A full recharge takes place in four hours, whether the 8000 is on or off. The 8000 can be used with the AC charger cord plugged in on a continuous basis.

If an AC power failure occurs, the 8000 battery takes over to provide uninterrupted scale operation for up to 40 hours.

LOW BATTERY INDICATION

The flashing "BATT" indicator indicates that the battery is in need of recharging. When the battery is too low to run the scale, the 8000 simply turns off and will not operate again until the battery is recharged.

Once "BATT" begins flashing, there will be approximately one more hour of battery life before the scale shuts down. The 8000 remains accurate and useable even with "BATT" flashing.

Note: Battery life can vary depending on the following:

1. The number of load cells connected to the indicator.
2. The operating temperature the indicator is used at.
3. Whether or not the battery is fully charged after each low battery (flashing "BATT" indicator) event.