

# HOW TO USE YOUR MARTINDALE BRUSH TENSION DIGITAL SCALE



Requires one  
9V battery  
(included)

## PRECISE SPRING FORCE MEASUREMENTS

- Measured force is clearly displayed in easy-to-read, ½" LCD numerals.
- Nine-volt battery-operated Digital Scale accurately reads force measurements of both spiral torsion springs and constant force springs up to 15 lbs.
- Convenient automatic zeroing ensures measurement of only the spring force.

## SPRING PRESSURE FORMULA

$$\text{Spring Pressure (psi)} = \frac{\text{Measured Force (lbs)}}{\text{Brush Thickness (in)} \times \text{Brush Width (in)}}$$

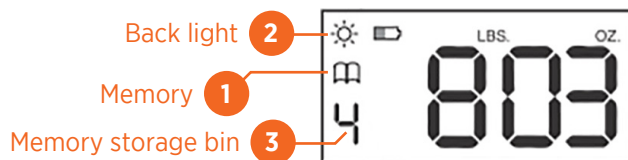
*(For recommended spring pressures, contact your motor manufacturer.)*

## USING THE SCALE

1. To avoid personal injury, always disconnect the power source before inspecting electrical machinery!
2. Attach interchangeable strap or hook to scale spring assembly.
3. Press and hold the "ON" button until numbers appear on the display and flash. Scale has now been zeroed.
4. Pull scale taut using comfort-grip handle.
5. Read measured force on LCD display.
6. Save measurement to memory if desired (see instructions below)
7. Press and hold the "ON" button to turn off the scale (4 seconds). The scale will turn off automatically after 4 minutes of inactivity.

## TO STORE WEIGHT INTO MEMORY

1. Press and hold the "ON" button until numbers appear on the display and flash. Scale has now been zeroed.
2. Attach interchangeable strap or hook to the spring assembly and pull the scale taut by the comfort-grip handle.
3. Press the "MEMORY" button to enter into memory mode. The tension has been saved into short-term memory. You can remove the scale without losing the tension reading.



4. Press the "MEMORY" button to advance through the storage bins (1-8) if a different location is wanted.
5. To save tension reading to selected storage bin, press and hold the "MEMORY" button until memory indicator 1 stops blinking

6. Scale will return to measuring mode automatically and advance to the next storage bin to be ready for the next measurement.

## TO REVIEW SAVED WEIGHTS

1. Press and hold the "ON" button until numbers on the display flash. Scale has now been zeroed.
2. Press "MEMORY" button to enter memory mode.
3. Once in memory mode, press the "MEMORY" button to advance through the storage bins 3.
4. Press the "ON" button to return to measure mode. The scale will return to measure mode automatically if there is no activity after 5 seconds.

## TO ZERO OUT THE SCALE

1. Press the "ON" button once.

## TO RESET ALL STORAGE BINS TO ZERO

1. Press the "MEMORY" button to memory mode.
2. Press and hold the "ON" and "MEMORY" buttons until 0000 blinks on the display, then press "MEMORY" button within 2 seconds.

## TO TURN ON THE BACK LIGHT

1. Press and hold the "ON" button until the back light indicator 2 comes on. (2 seconds)

## TO TURN OFF THE BACK LIGHT

1. Press and hold the "ON" button until the back light indicator 2 turns off. (2 seconds)