



# The MARTINDALE ELECTRIC Company

## MODEL IN15EL BRUSH TENSION SCALE INSTRUCTIONS



### Compact size for fast, easy readings.

Efficient, durable and small enough to fit in your hand, this Electronic Digital Scale is the convenient way to measure brush holder spring force. Simply attach the interchangeable strap or hook to the spring assembly and pull the scale taut by the comfort-grip handle. The measured force is clearly displayed in easy-to-read, 1/2" LCD numerals.

### Precise Spring Force Measurements

The battery-operated Digital Scale accurately reads force measurements of both spiral torsion springs and constant force springs up to 15 lbs. (+ or - 2 oz.). Convenient automatic zeroing ensures measurement of only the spring force.

### Spring Pressure Formula

$$\text{Spring Pressure (P.S.I.)} = \frac{\text{Measured Force (lbs.)}}{\text{Brush Thickness (in.) X Brush Width (in.)}}$$

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

### Catalog Number

Model IN15EL Brush Tension Scale, 15 lb. (6.8 kgs) capacity . . . . . **BRTSIN15EL**

Warning: To avoid personal injury, always disconnect the power source before inspecting electrical machinery.

### 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 (1-10) if a different location is wanted.
5. To save tension reading to selected storage bins, 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.
4. Press the "ON" button to return to measure mode.

### TO ZERO OUT THE SCALE

1. Press the "ON" button once.

### TO RESET ALL STORAGE BINS TO ZERO

1. Enter memory mode.
2. Press and hold the "MEMORY" button until all numbers blink.

### TO TURN ON THE BACK LIGHT

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

### TO TURN OFF THE BACK LIGHT

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