



# E500R Digital Meter Operating Instructions

## WEIGHING WITH THE E500R

Push the ON/OFF button and allow the E500R two seconds to come on and to zero. As the meter comes on, it displays "SC1", "SC2" or "dir" and "Lbs" or "Kilo", depending upon the last Scale used. The factory programmed scale for use with Accu-Arm® Scales is "SC1". To change the scale, see [Changing the Scale](#).

If the E500R does not zero, press the ZERO button for two seconds. After the meter has zeroed, place the animal on the scale. The meter will freeze on the correct weight. If necessary, push READ to reweigh an animal after the initial display reading freezes. The meter will automatically rezero before the next animal is weighed. Push the ON/OFF button to turn the meter off.

## USING THE TOTALIZING FUNCTION

The totalizing function adds the weight of each animal to a total. To use TOTALIZE, the last total must first be cleared from memory before starting to weigh animals. Press and hold the DISPLAY TOTAL button until four zeros appear (approx. eight sec.). As each animal is weighed, and before removing the animal, press the TOTALIZE button until the total number of animals weighed is displayed (approx. one sec.). This action adds the animal's weight and count into the total weight and count. The totalized weight is displayed momentarily. Remove the animal and place the next animal on the scale. Repeat this process until weighing is complete.

## DISPLAYING THE TOTAL WEIGHT AND COUNT

Press the DISPLAY TOTAL button momentarily. The E500R displays the total count for three seconds and then displays the total weight. These totals remain in memory when the meter is turned off. Clear the total by pressing DISPLAY TOTAL until four zeros appear, (appx. eight sec.). To turn the meter off, press ON/OFF.

## CHANGING THE SCALE

With the Meter turned **OFF**, press the button labeled SCALE 1, SCALE 2, or DIRECT to choose a scale. Keep the button pressed while pressing the ON/OFF button. Only Scales that have been enabled can be accessed. To enable a Scale, see [Programming the E500R: Enab](#). The Meter now comes on with the newly selected scale. The E500R is now ready to weigh according to the programming of the scale chosen.

## CALIBRATING THE METER

1. Turn meter off. 2. If calibrating the meter's Scale 1 or Scale 2 settings, hook the meter onto the scale. 3. Press DISPLAY TOTAL and ZERO buttons simultaneously. While holding down DISPLAY TOTAL and ZERO, press ON/OFF and release all. 4. The meter will show the current scale setting, SC\_1, SC\_2, or DIR. Choose a different scale setting, if desired, by pressing SCALE 1, SCALE 2, or DIRECT button. Press the READ button to continue. 5. "0000" or "000.0" is displayed. If calibrating to SCALE 1 or SCALE 2 make sure the meter is properly connected to the scale hanger and platform. Press READ to continue. 6. The value of the calibration weight is now shown. Use the arrow keys to enter the known weight of the calibration weight you will be using. 7. Place the weight on the scale platform and close the gates on the platform. 8. Press READ to complete the calibration. 9. When it is finished, the display will flash "done" and then turn off. **NOTE:** The calibration weight must be at least 50 lbs for SCALE 1 or SCALE 2, or more than 5 lbs for DIRECT, or the calibration will be rejected.

## PROGRAMMING THE E500R

With the Meter turned **OFF**, press the DISPLAY TOTAL and UNIT CONVERT buttons at the same time. While holding down these two buttons, press the ON/OFF button. The scale currently in use is displayed. A different scale is chosen by using the buttons SCALE 1, SCALE 2, or DIRECT.

**EnAb**

Push the READ button to begin setting up the scale. If SCALE 2 is selected, the display will read "Enab". Using the ▲ or ▼ buttons, enable or disable this scale by displaying "ON" or "OFF". The default setting for SC2 is "Enab-OFF". At any time in the programming process, pressing ZERO permits exiting without changing the current value. Pressing READ repeatedly skips through the parameters until "DONE" is displayed. The Meter then turns itself off, retaining the programming.

**Unit**

To continue changing the parameter values, press READ for the next option. "Unit" is displayed, allowing the unit of measure for the scale to be changed. Using the ▲ or ▼ buttons, change the weight to "Kilo" or "Lb". Default is "Lb". Press ZERO to exit without changing.

**Pd**

Press READ for the next option. "Pd" is displayed, for the power-down option. Using the ▲ or ▼ buttons, change the power-down option to "ON" or "OFF". "ON" means the meter will power-down after 15 minutes of non-use. Default is "ON". Press ZERO to exit this parameter without changing the values.

**SPd**

Press READ for the next option. "Spd" is displayed, allowing the speed of meter response to changes in weight to be chosen. Using the ▲ or ▼ buttons, change the option to "Slo" or "FSt". Default is "Slo" for Scales 1 and 2, and "FSt" for the Direct Scale. Press ZERO to exit without changing.

**Int**

Press READ for the next option. "Int" is displayed, allowing changes to the interval during which weights are measured before the display freezes. Using the ▲ or ▼ buttons, change the time in seconds. "0" means the meter does not freeze. Other choices range from 5 to 30 seconds. Longer interval values improve the precision of the displayed weight, but lengthen the total weighing time. Default is 15 sec. Press ZERO to exit without changing.

**ZERo**

Press READ for the next option. "Zero" is displayed, allowing changes to the maximum value that the tare weight can drift and still zero. Using the ▲ or ▼ buttons, change the weight from 3 to 30 for Scales 1 and 2, or 0.3 to 2.9 for the Direct Scale. Use the ► and ◀ to move the digits to the right and left. Default is 5 Lb for Scales 1 and 2 and 0.5 Lb for the Direct Scale. Press READ to save changes and ZERO to exit. At this point, "Done" is displayed and the meter shuts itself off.

## DEFAULT SETTINGS

With the Meter turned **OFF**, default settings are chosen by pressing the DISPLAY TOTAL, READ, ZERO, and UNIT CONVERT buttons together while pressing ON/OFF. When the changes are completed, the Meter shuts off.