

The value is entered from left to right. If the first blinking decade position is to be zero, press the ZERO key to toggle to the next decade. If a value other than zero is to be entered in this position, press the TARE key to toggle the selection of digits 1-9. When the required digit is displayed, press the ZERO key to move to the next decade position. When the complete variable test weight value is on the display, press the "PRINT" key to accept the displayed value (example: [0050lb]).

4.7.6 The display will now show [Add Ld]. Place the actual test weights on the scale and press PRINT. The scale will count down from 15 to 0 while span is calculated.

4.7.7 When calibration has been completed, the display will advance to the next soft-switch section [20 0]. Press the CLEAR key to advance to the end of the setup mode, or continue in the setup mode in sections 20-50. When [99] is displayed, indicating the end of the setup mode, press the white pushbutton at the end of the Display PCB to return to normal run mode.

5. OPERATING INSTRUCTIONS

5.1 POWER-UP SEQUENCE

When power is first applied to the Model 8505 (by pressing the ON/OFF key on the right side of the keyboard), all of the display segments will be visible momentarily for display verification before displaying program number [134632] then the software revision level [L00] and then weight data. If the weight is within the zero capture range ($\pm 2\%$ or $\pm 20\%$), zero is captured. If the weight is outside the zero capture range or Auto Zero Capture (SSW-35) is off, the weight is displayed with the zero cursor blinking. If Auto Zero Capture (SSW-35) is on the weight display is blanked while the zero cursor is blinking, and recalibration may be required.

5.2 NET WEIGHING SEQUENCE

5.2.1 Place empty container on the scale platter.

5.2.2 Press the TARE key - the weight will change to show zero net weight and the net weight indicator will illuminate.

5.2.3 Add load to the scale platter. The net weight will be displayed.

5.2.4 If the scale is interfaced to a printer or other external device, the weight data can be transmitted from the scale at this time by pressing the PRINT key.

6. RS232 SERIAL INPUT/OUTPUT

The Model 8505 RS232 serial port is a one way directional port that is capable of transmitting ASCII characters of scale weight data. The EIA specifications for maximum data cable length using RS232 communications is 50 feet. The 15' long cable available from Toledo Scale is 134639 00A (0900-0264).

6.1 DATA OUTPUT

Data output for the Model 8505 is at the TxD RS232 data line on the phono jack. The character format is one start bit, seven data bits, one even parity bit, and one stop bit. The data bits are in ASCII format. The transmission rate is selectable to either 300 or 9600 baud.

Data output occurs when the scale is in a no-motion condition and the "PRINT" key is pressed. During setup mode, the format is selectable as either single or multiple line printing.

The Model 8505 can transmit any or all of its fields on a single line, which can be selected in the setup mode. The data will always be sent in the following order for a single line format:

Gross - Tare - Net

When the multiple line format is selected, gross, tare, and net are disabled or enabled independent of each other.

Gross
Tare
Net