

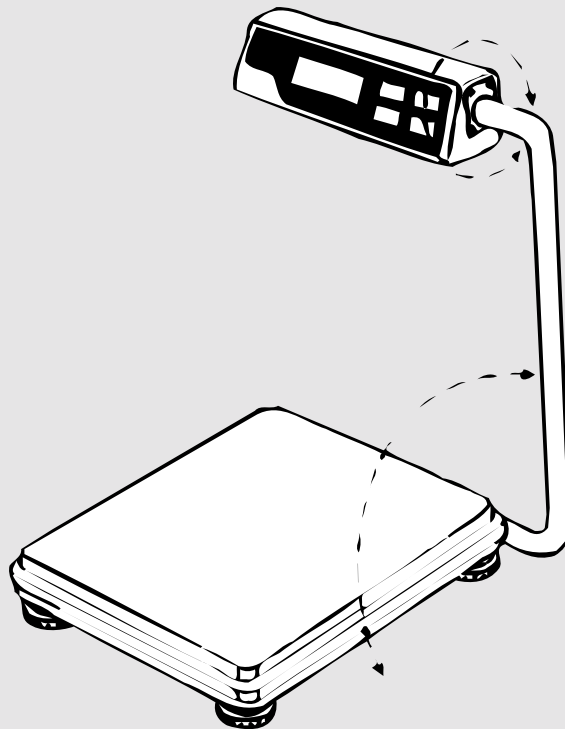
DIGITAL BENCH SCALES

DP-8100 OPERATING INSTRUCTIONS

PLEASE READ OVER THE FOLLOWING INSTRUCTIONS CAREFULLY BEFORE USE.

SET-UP INSTRUCTIONS

- 1) Carefully unpack the scale.
- 2) Follow diagram on battery cover to install batteries. Use four "C" cells.
- 3) Place the unit on a firm, flat surface.
- 4) A bubble level is located at the rear of the platform. Rotate the adjustable legs under the platform until the bubble is centered.
- 5) Adjust the swivel display and column to a comfortable viewing position.



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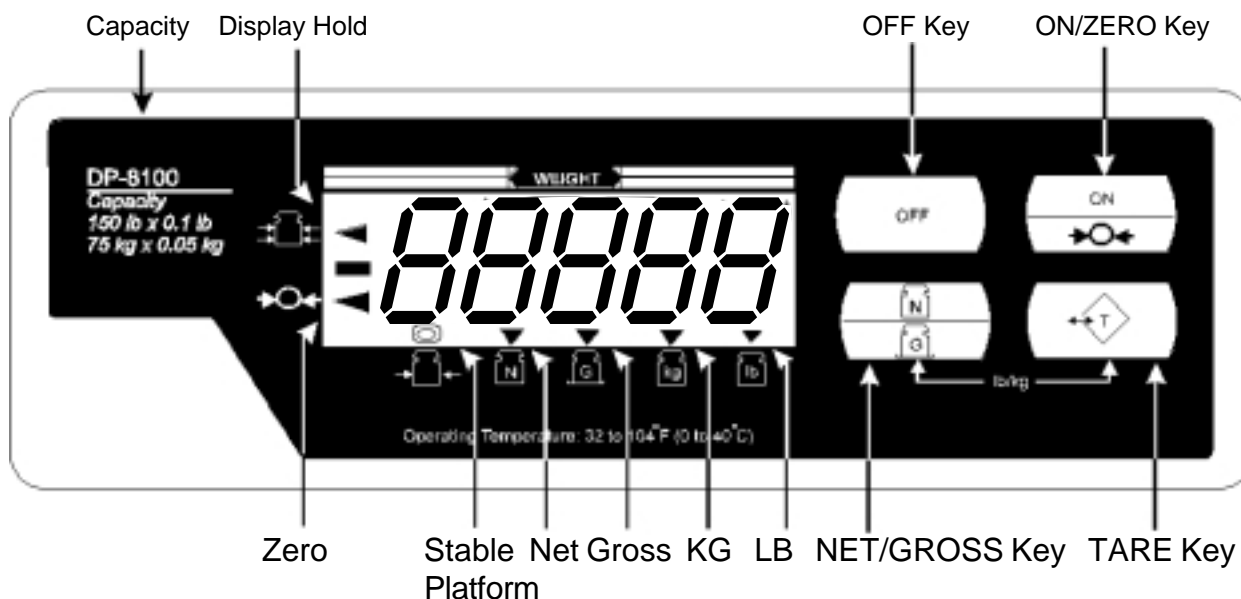
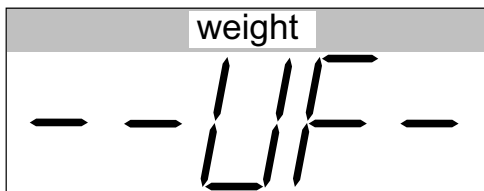


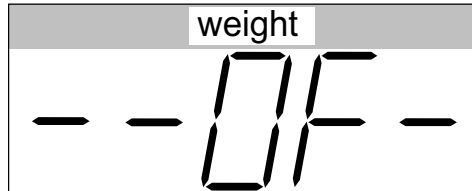
Figure 1: Display Indicators

SPECIAL DISPLAY MESSAGES:

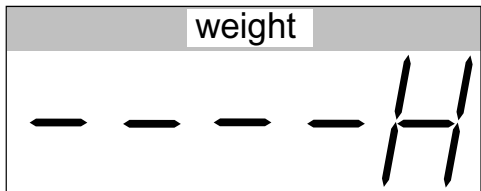
UNDERLOAD Indication



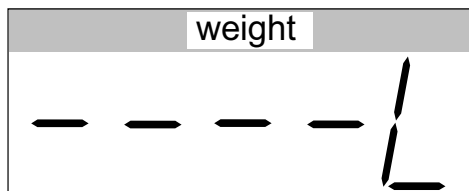
OVERLOAD Indication



INITIAL ERROR (high) display



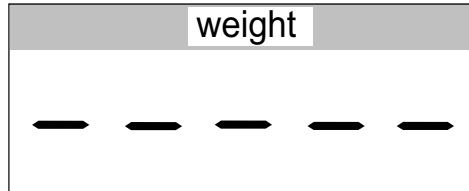
INITIAL ERROR (low) display



Battery Low display



Weighing Unit defective display



TURNING THE SCALE ON

1. Remove any load from the scale platform.
2. Depress the **ON/ZERO** key. The display will briefly show all digit segments (figure eights) together with all other status indications. The scale will then automatically reset to zero.

TURNING THE SCALE OFF

Depress the **OFF** key. The display will go off.

NOTE: The DP-8100 series is equipped with an AUTO-OFF feature that will shut the unit off automatically when the scale has not been used for approximately fifteen minutes.

WEIGHING PROCEDURES

- A. "GROSS" weighing. With no load on the scale and the display on zero, place item(s) to be weighed on the scale. Weight displayed will be "GROSS" weight.
- B. "NET" weighing (with Automatic Tare)
 1. With no load on the scale and the display on zero, place an empty container on the scale and depress the **TARE** key. The weight of the empty container will be automatically deducted and the display will read zero. The NET indication will illuminate.
 2. Place the item(s) to be weighed in the container. The displayed weight will be the "NET" weight. Press the **NET/GROSS** key to alternate the indicator display between net weight and gross weight.
 3. To return to "GROSS" weighing, remove all load and depress the **TARE** key. The NET indication will go off and the display will return to zero.
- C. "BATCHING" (separate weighing of several items)
 1. With no load on the scale and the display on zero, place an empty container on the scale and depress the **TARE** key. The weight of the empty container will be automatically deducted and the display will read zero. The NET indication will illuminate.

2. Place the first item in the container until the desired weight is reached.
3. Depress the **TARE** key. The display will return to zero.
4. Place the second item in the container until the desired weight is reached.
5. Depress the **TARE** key again. The display will again return to zero.
6. Repeat steps 3 through 5 as many times as necessary. When weighing of all items is completed, remove all load and depress the **TARE** key. The display will return to zero and the NET indication will go off.

NOTE: To change the display between lb and kg, press the **NET/GROSS** key and the **TARE** key simultaneously.

MINOR TROUBLE SHOOTING

- A. Is the movement of the scale platform restricted in any way?
1. Insure that no foreign object(s) have become wedged between the upper and lower scale base housings.
 2. Verify the platform is not rubbing against any surrounding objects.
- B. Are the batteries in good condition? Try changing all four batteries.
- C. Is the scale off? If the scale has not been used in the last fifteen minutes, perhaps the auto off feature has turned the unit off.

If any of these things fail to correct the problem, the scale needs to be serviced by a qualified scale technician.

CAUTION: DO NOT ATTEMPT TO OPEN THE SCALE OR TAMPER WITH ITS MECHANISM OR CIRCUITRY AS THIS WILL VOID ALL WARRANTY COVERAGE.

CARE AND MAINTENANCE

- A. Use only a soft, damp cloth to clean the scale. Do not use solvents or abrasive cleaners. Do not submerge the scale in water. Always be sure the scale is turned off before cleaning.
- B. **AVOID SHOCK LOADING.** Place items to be weighed on the platform. Do not drop them

- on. Repeated or severe shock loads may damage the weighing mechanism.
- C. Depress function keys with your finger only. Never use a sharp object that may puncture the key.
 - D. Keep the scale in an area free from extreme temperature changes, moisture, or dust. Prolonged exposure to extremely high or low temperatures may cause damage to your scale.
 - E. To avoid battery leakage, remove the batteries when the scale will not be in use for an extended period of time.
 - F. Make sure that all employees are aware that your scale is a precision machine and should be treated accordingly.
 - G. Keep this manual for further reference.