

SC SERIES

LABORATORY BALANCE

OPERATING INSTRUCTION

PLEASE READ THIS MANUAL VERY CAREFULLY BEFORE
ATTEMPT TO OPERATE THE SCALE

AUGUST 1999 REV 2

Specifications subject to change without prior notice

I. EXPLANATION OF DISPLAY:

(1) This circle will appear in the upper left-hand corner of the LCD (=Liquid Crystal Display) when the scale has been initialized.

(2) This mass symbol will appear in the lower left-hand corner of the LCE when a tare weight has been entered.

(3) This battery symbol will appear on the upper right -hand corner of the LCD when the power level is too low.

(4) These segments of the display will indicate one of three modes:

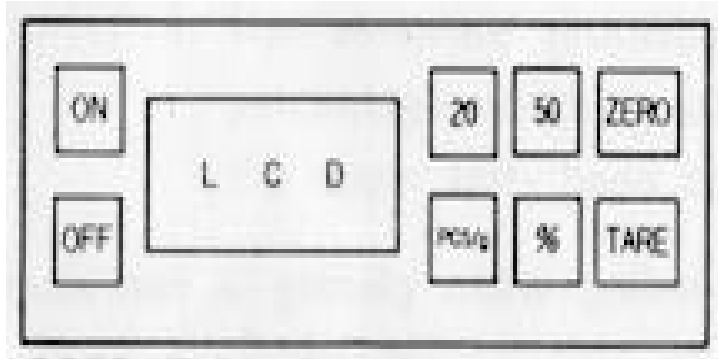
g.....Weighing mode

pc.....Piece counting mode

pt.....Percentage weighing mode

*The scale retains in memory the last mode setting in addition to the last data (such as unit weight and percentage base) entered before it was turned off. The next time the scale is used, the scale will reflect these previous settings.

II. EXPLANATION OF KEYS:



"ON" Press this key to turn the scale on.

"OFF" Press this key to turn the scale off.

"20" Press this key for piece counting when sampling for the unit weight after placing 20 pieces on the pan.

"50" Press this key for piece counting when sampling for the unit weight after placing 50 pieces on the pan.

"%" Press this key* to sample a standard commodity as 100% and set

percentage weighing mode.

*Press this key to quit while the scale is in any setting mode.

"pcs/g" Press this key to switch between the weighing and piece counting modes ($g \leftarrow \rightarrow pc$) or between the weighing modes ($g \leftarrow \rightarrow pt$) when switching from percentage weighing mode.

"ZERO" Press this key to reset the scale back to zero.

"TARE" Press this key to subtract the weight of a container placed on the pan.

A OPERATION:

STEP 1. Plug in an AC adaptor or set a 9V DC battery.

STEP 2. Press the "ON" key on the front panel.

- STEP 3. A Display will count for 5 sec. And indicates zero gram reading.
- STEP 4. The scale will be ready for weighing* when the zero reading appears.

*When a load on the scale exceeds its capacity an overload message will appear on the LCD as shown to the left.

B ZERO READING:

- STEP 1. Make sure that the zero reading appears on the LCD.
- STEP 2. If the zero reading stays is not stable, then press the "ZERO" key.

C TARRING:

- STEP 1. Make sure to stabilize the zero reading when placing a container on the weighing pan.
- STEP 2. Press the "TARE" key for resetting the reading to zero.

- STEP 3. Place your sample in the container and its weight will be registered on the LCD.

D PIECE COUNTING MODE:

- STEP 1. Sample 20 or 50 units with a combined weight of over 1/2500 of full capacity of the scale (Refer to minimum pieces weighing capacity for each model listed in the Specifications table in section H below).

*if the weight is less than 1/2500 of full capacity of the scale, the scale will display a warning "SP-LO". The LCD will then go blank for a short period and exit back into the previous mode.

- STEP 2. Press either "20" or "50" key; which corresponds to your sampling number.
- STEP 3. The sampling procedure is complete

and the scale is ready for piece counting when the "S.=" is replaced by a "C" on the LCD.

in upper left-hand corner (meaning "stable") appears on the LCD.

E PERCENT MODE:

STEP 1. Weigh a standard sample in weighing mode. The weight of sample should be over 20% of full capacity of the scale.

*If the weight of the sample is less than 20% of full capacity of the scale the display will blank out for a while and then exit back into the previous mode.

STEP 2. Press the "%" key and the "100.0 pt" indication will appear on the LCD. The sample has been registered as 100%

STEP 3. The sampling procedure is complete and the scale is ready for percentage weighing after the symbol "P" disappears and a circle

F AUTO-OFF MODE:

STEP 1. Press the "ON" key while holding down the TARE key.

STEP 2. The display shows "F1".

STEP 3. Keep pressing "TARE" key and release when "F4" appears.

STEP 4. Press "pcs/g" key.

STEP 5. It will show "0 OFF" (auto-off function disabled or "4" OFF (automatically shut off after 4 minutes of non-use)

STEP 6. Press "pcs/g" to choose the desired mode of auto.-off.

STEP 7. Switch off the on to exit back into normal operation.

H SPECIFICATIONS:

MODEL	SC-100	SC-200	SC-500	SC-1000	SC-300	SC-600	SC-1500	SC-3000
CAPACITY	100 g	200 g	500 g	1000 g	300 g	600 g	1500 g	3000 g
DIVISION	0.1 g	0.2 g	0.5 g	1 g	0.1 g	0.2 g	0.5 g	1 g
MIN. PIECE WEIGHING	0.1 g	0.2 g	0.5 g	1 g	0.1 g	0.2 g	0.5 g	1 g
MIN. PERCENT WEIGHING	20 g	40 g	100 g	200 g	60 g	120 g	300 g	600 g
RESOLUTION	1/1000				1/3000			