AC-2000 PLU SCALE

OPERATOR MANUAL
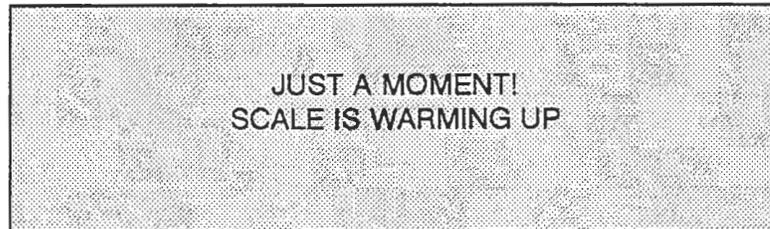
AC2000 USER MANUAL INDEX

1.0 APPLYING POWER TO THE SCALE

1. Make sure nothing is on the platter.

2. Make sure the key switch is turned to the ON LINE or OFF LINE position.

3. Turn the POWER switch (located on the left side of the scale) to the "on" position.
    NOTE: If something is on the platter, "REMOVE THE ITEM ON THE PLATTER" is displayed.

```
JUST A MOMENT!
SCALE IS WARMING UP
```
INITIAL POWER SCREEN

4. After a few seconds,
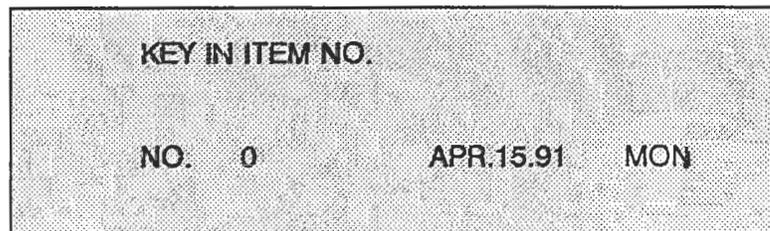
```
KEY IN ITEM NO.


NO.    0              APR.15.91    MON
```
OPERATOR SCREEN

2.0 LOADING LABELS

1. Remove the label cassette by pulling outward.

2. Thread the label according to the instruction drawing inside the label cassette.

3. Remove U-pin.

4. Pull U-Pin out and reinsert it over the end of the label so that the label is attached to the take-up spool.

5. Gently slide the label cassette fully back into the main body.

6.   Press the FEED key to advance the label to the correct position.
      NOTE: If using continuous strip pressing the FEED key advances only 1/2 in. of label.
      This is to allow a clean edge to be obtained by tearing off the excess.

3.0 KEYBOARD OPERATION

0 - 9	Enter numbers; ie. PLU number and/or Tare value.
C	Clear an incorrect numerical value key before the SET* key is pressed.
SET*	Enter a numerical value into the scale.
PLU	Select a PLU after the PLU number has been entered by the numeric keys.
ZERO	Adjust the scale to zero.
TARE	Set tare value after the numeric keys have been pressed, or automatically.
AUTO/MENU	Select automatic or manual label printing.
FEED	Issue a blank label or feed a length of continuous strip.
PRINT	Issue a complete label.
DATE	Temporarily change the packed date.
SAVE	Enter or escape from prepack mode where the PLU and tare value is saved.
@/FOR	(Ex.) when a customer buys 5 pieces of PLU 1 ($1.00/3 pieces) Press "1", then "PLU"
	Press "5", then "@/FOR"
	Press "3", then "@/FOR"
	Enter "100", then "SET*"
SHIFT	Select the lower preset keys.
PRESET	Select programmed PLU, Tare or Operator.
RESET	Reset the scale to the power on menu.

4.0 DISPLAY INDICATORS

ZERO	Illuminated when no weight is on the platter.
NET	Illuminated when a tare is set.
SAVE	Illuminated when "save" mode is entered.
AUTO	Illuminated when automatic print mode is entered.

5.0 KEY-SWITCH OPERATION

The key switch is located at the left side of the scale housing. The key switch has six positions. Each position can be accessed by inserting either the operator key or the master key and rotating the key.

The master key can access all positions and the operator key can access all but the SET UP position. The keys can be removed in the on-line or off-line position. Each position of the key switch accesses a different scale mode.

SET UP   SET UP mode: Accesses the mode used for setting the initial data settings, ie. label format, etc.

SUB.   SUBTRACTION mode: Access the mode used to manually subtract returns from the recorded PLU totals.

OFF LINE   NORMAL OPERATION: In the off-line mode, the PLU data is not accessed from the master scale in a system, the scale operates as a stand alone machine.

ON LINE   NORMAL OPERATION: In the on line mode, the PLU data is accessed from the master scale.

REG.   PROGRAM mode: Access all modes used to program data for label printing.

TOTAL   TOTALIZATION mode: Access modes to allow the display and print out of PLU total information.

* Set the key switch to the desired position and refer to the corresponding chapter of this manual for instructions.

6.0 NORMAL OPERATION

6.1 ZEROING THE WEIGHT DISPLAY

1.   Make sure that nothing is on the weigh platter.
2.   Press the "ZERO" key.

6.2 TARE ENTRY

There are four ways to enter a tare value: manual tare, preset tare, tare look-up key and PLU programmed tare.

i.   MANUAL TARE

1.   Make sure that nothing is on the platter and check that the weight display reads zero. If not zero, press the ZERO key.

2.   Place the item to be tared (pack or container) on the weigh platter. The weight of the tare item will be displayed.

3.   Press the TARE key. The displayed weight value will be return to zero and the TARE indicator will be illuminated. If the weight display does not return to zero after pressing TARE, the scale has not yet stabilized. Let the scale stabilize for a few seconds and then press TARE again. The scale is now tared. Note that the weight value will become a minus value if the tared item is removed from the platter.

ii.   PRESET TARE

1.   Make sure that nothing is on the platter and check that the weight display reads zero. If not zero, press the ZERO key.

2.   Key in the desired tare value and press the TARE key. The tare value will be displayed as a negative weight.

iii.   TARE LOOK-UP KEY

1.   Make sure that nothing is on the platter and check that the weight display reads zero. If not zero, press the ZERO key.

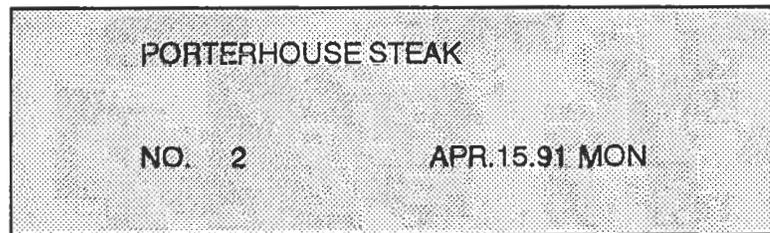2.   Press the preset key which is programmed with the desired tare value.

iv.   PLU PROGRAMMED TARE

Please refer to the programming menu.

7.0 BASIC WEIGHING/LABELING OPERATION
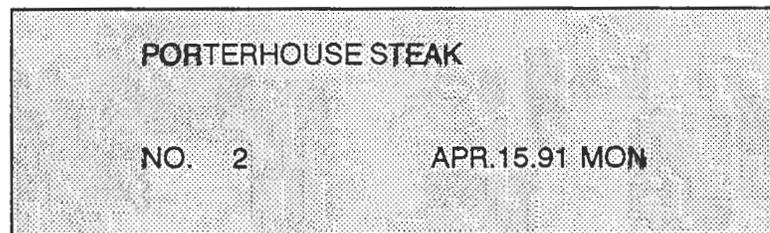
i.   WEIGHED ITEM

1.   Key in the PLU number and press the PLU key or press the appropriate PRESET key.
NOTE: Please refer to the section "HOW TO ASSIGN PRESET KEY" in the programming
manual.

```
PORTERHOUSE STEAK


NO.   2              APR.15.91 MON
```
PLU SELECTION

2.   Place a package on the scale platter.

```
PORTERHOUSE STEAK


NO.   2              APR.15.91 MON
```
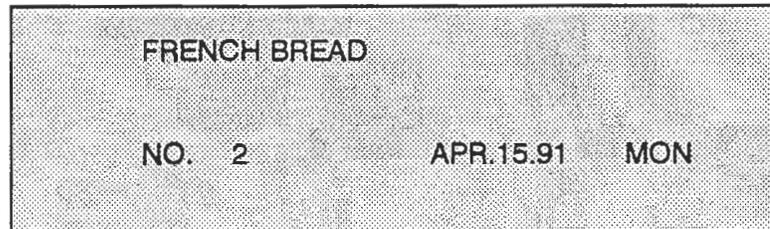PLU SELECTION

3. In Automatic Mode, the label is issued when the weight stabilizes.

3b.   In Manual Mode, it is required to press the "PRINT" key to obtain a label.

ii. NON-WEIGHED ITEM (BAKERY)

1. Key in the PLU number and press the PLU key or press the PRESET key.

```
┌─────────────────────────────────────────────┐
│                                             │
│      FRENCH BREAD                           │
│                                             │
│                                             │
│      NO.  2              APR.15.91    MON    │
│                                             │
└─────────────────────────────────────────────┘
```
PLU SELECTION - BAKERY ITEM

2.   Press the "PRINT" key to obtain a label.

8.0 AUTO/MANUAL LABEL PRINTING

When set to AUTO, a label will automatically be issued every time a package is placed on the platter and the weight has stabilized. When set to MANU, the PRINT key must be pressed to obtain a label.

1.   Press the AUTO/MANU key to select the desired mode.   The AUTO indicator will illuminate when the scale is in 'AUTO' mode.

9.0 SAVE MODE

1.   Press the AUTO/MANU key to enter the MANUAL mode if it is the AUTOMATIC mode.

2.   Select the desired PLU if not already displayed.

3.   Press the SAVE key, indicated when the SAVE indicator is illuminated.

NOTE:
(a)   When the SAVE indicator is illuminated, the PLU selected is retained (SAVED) after a label is printed.
(b)   Press the SAVE key again to cancel the SAVE mode.

10.0 PROGRAM VALUE OVERRIDE

UNIT PRICE ($/LB) OVERRIDE

This feature only operates if the AC-2000 is configured with this option at installation.

1. Select the desired PLU if not already displayed. (By PLU key or numeric entry).
2. Key in the desired unit price.
3. Place a package on the scale platter.
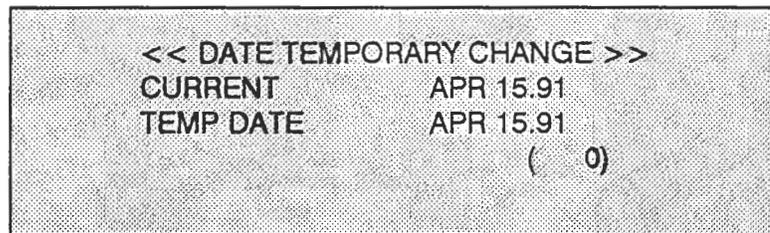4. (Press the PRINT key), then the label is printed with the new price.

PACK DATE OVERRIDE

1. Select the desired PLU if not already displayed (as above).

```
PORTERHOUSE STEAK



NO.  2                 APR.15.91 MON
```
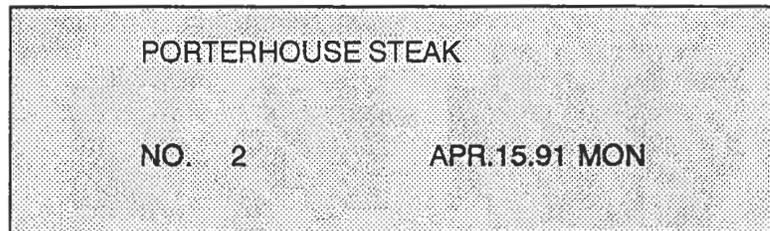
PLU SELECTION - WEIGHED ITEM

2. Press the DATE key.

```
        << DATE TEMPORARY CHANGE >>
        CURRENT              APR 15.91
        TEMP DATE            APR 15.91
                                 (   0)
```

DATE CHANGE OPTION SCREEN

3. Change the pack date as follows:

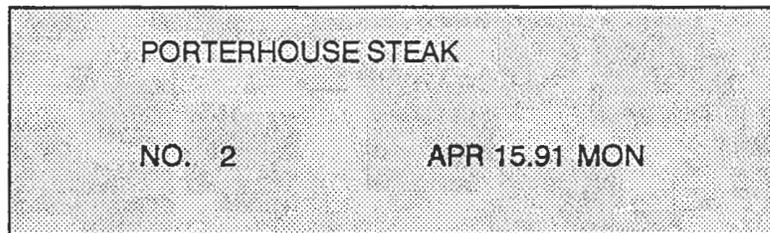|			
a) date	-----	DD	(key in 2 digits), then press SET
b) month, date	-----	MMDD	(key in 4 digits), then press SET
c) year, month, date	-----	YYMMDD	(6 digits), then press SET

(EX.) Change to May 1, 1991.
   Key in 910501, then press the SET key
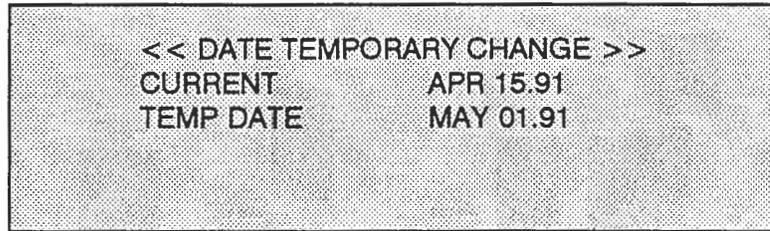
```
<< DATE TEMPORARY CHANGE >>
CURRENT         APR 15.91
TEMP DATE       MAY 01.91
```

TEMPORARY DATE SCREEN

4.   Press the DATE key.

```
PORTERHOUSE STEAK


NO.  2            APR 15.91 MON
```

PLU SELECTION SCREEN

NOTE:
(a)   The display still indicates APR 15, 91, but the printed label shows the pack date MAY 01, 91.

(b)   "USE BY DATE" is automatically changed.

(c)   If another PLU is selected, the temporary date change is canceled.

11.0 HOW TO USE THE @/FOR KEY

For example, when a customer buys 10 pieces of PLU 3 - apples at $1.00/5 pieces.

1.   Press 3, then press the PLU key or press the appropriate preset key.

```
APPLE



NO.  3            APR 15.91 MON
```
PLU SELECTION

2.   Enter 10, then press the @/FOR key.

```
APPLE


$0.00/ PCS   10 PCS      $0.00
NO.   3                  (    0)
```
PLU SELECTION - @/FOR ENTRY

3. · Enter 5, then press the @/FOR key.

```
APPLE


$0.00/ PCS   10 PCS      $0.00
NO. 3                    (    0)
```
PLU SELECTION - @/FOR OPERATION

4.   Key in 100, then press the SET key.

```
APPLE

$0.00/ PCS   10 PCS        $0.00
NO. 3                      (     0)
```

PLU SELECTION - @/FOR OPERATION

5.   Press the PRINT key to print a label.

ISHIDA AC-2000

WEIGH CHECK OPERATION

I. SET UP

    1.   Label Format: Bakery Print = 1.

II. PLU PROGRAMMING

    1.   Sales Mode = 2 (Weigh Check).

    2.   Fixed Weight (oz.) = check weight value.

III. OPERATION

    1.   Key = ON LINE or OFF LINE.

    2.   Weight must be at ZERO (no tare weight).

    3.   Select PLU.

    4.   Place product on scale.

    5.   Press | PRINT | key.

    6.   a.   Actual Weigh $\geq$ Check Weight

           -   Label is printed with progammed check weight value.

        b.   Actual Weight < Check Weight

           -   Operator is prompted to accept actual weight, or cancel printing.

    7.   Press | 0 | , | PLU | keys to clear PLU, or select

next PLU.

NOTE: This feature is designed for use in a bakery environment.

              If BAKERY PRINT = 1 in label format, PLU's programmed with Sales Mode = 0 will not print.