



# *Cardinal*<sup>®</sup>

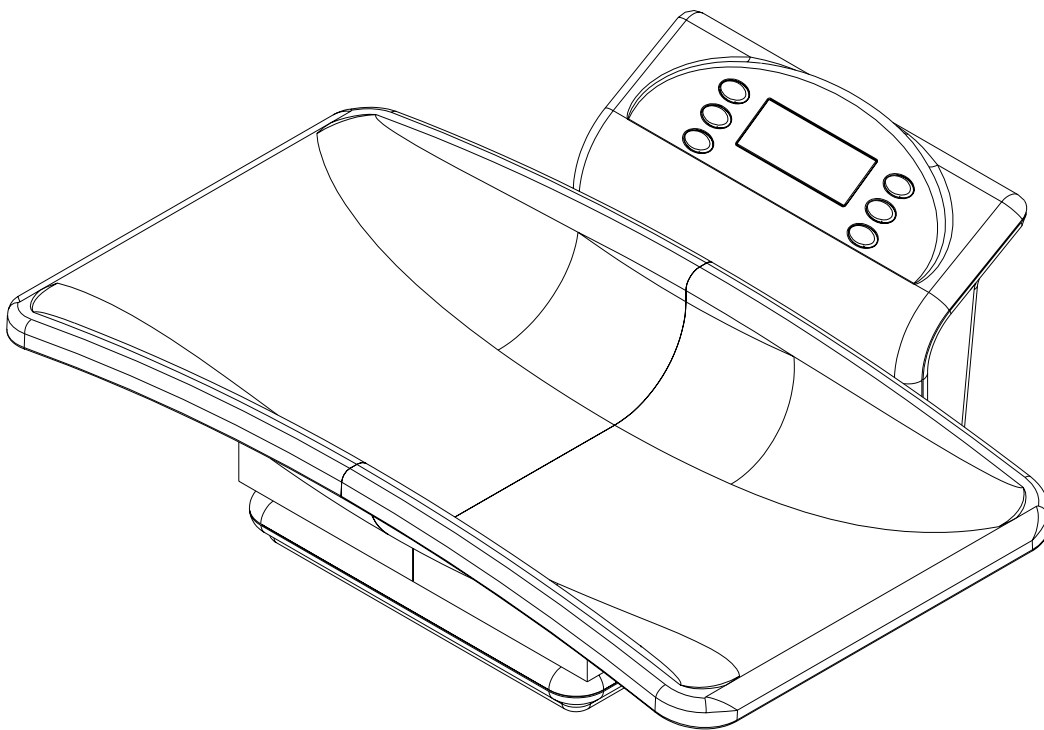
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# DETECTO

## **MODEL 8440**

## **BABY SCALE**

Operation Manual



8535-M148-O1 Rev A  
01/02

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Printed in USA



# INTRODUCTION

The Model 8440 Baby Scale is a 44-pound capacity battery-operated baby scale. The scale is equipped with a removable baby tray to allow weighing small children.

This manual contains information on the operation of this scale. Please read it before attempting to use the scale and keep it handy for future reference.

## FCC COMPLIANCE STATEMENT

**WARNING!** This equipment generates, uses and can radiate radio frequency and if not installed and used in accordance with the instruction manual, may cause interference to radio communications. It has been tested and found to comply with the limits for a Class A computing device pursuant to Subpart J of Part 15 of FCC rules, which are designed to provide reasonable protection against such interference when operated in a commercial environment. Operation of this equipment in a residential area may cause interference in which case the user will be responsible to take whatever measures necessary to correct the interference.

You may find the booklet "How to Identify and Resolve Radio TV Interference Problems" prepared by the Federal Communications Commission helpful. It is available from the U.S. Government Printing Office, Washington, D.C. 20402. Stock No. 001-000-00315-4.

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<b>Serial Number</b> _____ <b>Date of Purchase</b> _____ <b>Purchased Form</b> _____       
RETAIN THIS INFORMATION FOR FUTURE USE

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# FEATURES

**Detachable tray** to weigh babies or small children

**Display:** 4-3/4 digits LCD 1.0" (25mm) high

**Clock function:** Time and Date

**Memory function:** Memory for comparison of current and stored weights

**Capacity:** 44 lbs. (20 kg.)

**Graduations:** 0 to 44 lbs x 1/2 oz.  
0 to 20 kg x 10g

**Accuracy:** 0.2% +/- 1 digit of reading over 200 grams

**Power Source:** 6V DC (4 - AA batteries, not included) with automatic shut-off

**Optional Power Source:** UL listed AC adapter

## Dimensions

### Tray:

20 1/2" L x 10 3/4" W (520mm L x 272mm W)

### Scale Unit:

13" L x 9 3/4" W x 7 1/4" H

(333mm L x 246mm W x 184mm H)

**Overall Height:** 7 1/4" (184mm) scale with tray

**Weight:** 8 Lbs (3.5 kg)

## PRECAUTIONS

Before using this instrument, read this manual and pay special attention to all "WARNING" symbols:



IMPORTANT



ELECTRICAL WARNING

## LCD AND KEY FUNCTIONS



### KEYS

**MEMORY:** To store weight and relevant data.

**RECALL:** To recall stored data of last weighing.

**DIFFERENCE:** Weight difference between current weighing and that of last use.

**CLOCK/WEIGHT:** Toggles display between time mode / weighing mode.

**SET/TARE:** Time and date setting (Time mode) / Tare (Weighing mode).

**ADJ/HOLD:** Time and date adjustment (Time mode) / Weight lock (Weighing mode)

### DISPLAY ANNUNCIATORS

**REC:** Recall indication

**DIF:** Difference indication

**KG:** kg unit indication

**LB.OZ:** lb/oz unit indication

### DISPLAY AUTO SHUT-OFF

In the time mode, the display will automatically shut-off if the scale is inactive for 30 seconds. Press any key to resume operation.

## TIME AND DATE INDICATION

Time indication format is **Hr:Min**, (Hours, Minutes). It will flash once every second. (Default time is 12:00.)



Date indication format is **Month, Day**. (Default date is 06.06, i.e. June 06.)



Indication cycle: Hr:Min → 5 sec. → Month, Day → 5 sec. → Hr:Min → 5 sec. → ... etc.

## TIME AND DATE SETTING

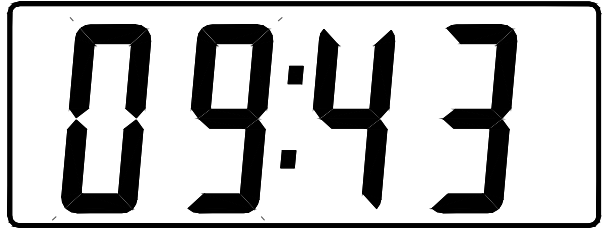
### MINUTE

Press **SET/TARE** key, the two right digits will flash. Press **ADJ/HOLD** key to adjust minute. If you press and hold the **ADJ/HOLD** key, the number will increase continuously.  
(Range 00 ~ 59)



### HOUR

Press **SET/TARE** key, the two left digits will flash. Press **ADJ/HOLD** key to adjust hour. If you press and hold the **ADJ/HOLD** key, the number will increase continuously.  
(Range is 00 ~ 23)



### MONTH

Press **SET/TARE** key, the two left digits will flash. Press **ADJ/HOLD** to adjust month. If you press and hold the **ADJ/HOLD** key, the number will continuously increase.  
(Range 01 ~ 12).



### DAY

Press **SET/TARE** key, the two right digits will flash. Press **ADJ/HOLD** key to adjust day. If you press and hold the **ADJ/HOLD** key, the number will increase continuously.  
(Range 01 ~ 31)



Press **SET/TARE** key again, setting for time and date is finished.

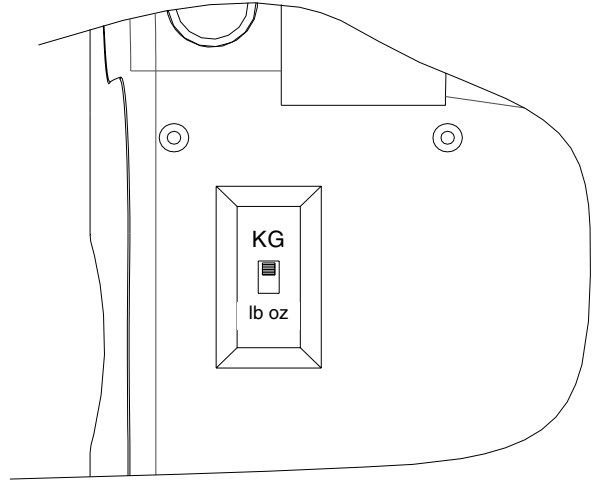
Setting procedure: Minute → Hour → Month → Day → End.

# OPERATION

## SWITCH FOR KG/ LB OZ

The kg/lb oz switch is located on the bottom of the scale.

- To select kg unit, slide the switch up.
- For lb/oz unit, slide it down.

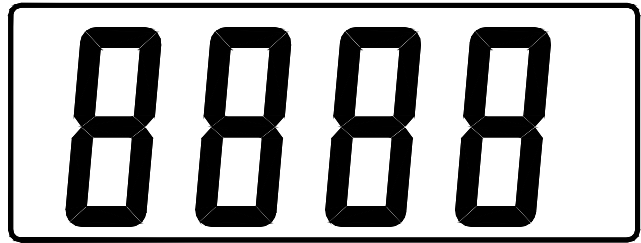


## WEIGH MODE

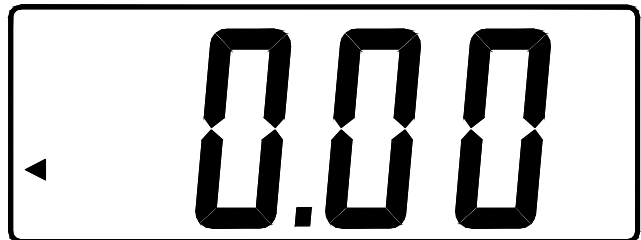
### Weighing in “kg”

Press **Clock/Weight** key to enter weight mode. Display shows all segments.

**Note:** Please make sure the kg/lb oz switch is in the correct position.



and then shows



Put the baby on the tray, display shows baby's weight.



Press **Clock/Weight** key to go back to time mode.

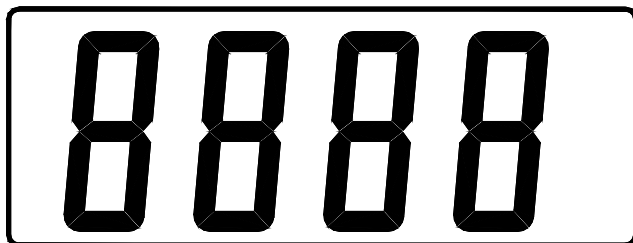
## OPERATION, Cont.

### WEIGH MODE, Cont.

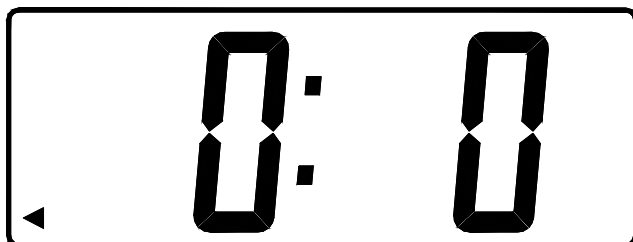
#### Weighing in lb / oz unit

Press **Clock/Weight** key to enter weight mode. Display shows all segments.

**Note:** Please make sure the kg/lb oz switch is in the proper position.



and then shows



Put the baby on the scale, display shows baby's weight.



Press **Clock/Weight** key to return to time mode.

### MEMORY

When weight is stable, press the **Memory** key, display will flash twice, and the data will be stored.

(The stored data will be stored until updated with new data. Stored data includes: weight, time, and date.)



## OPERATION, Cont.

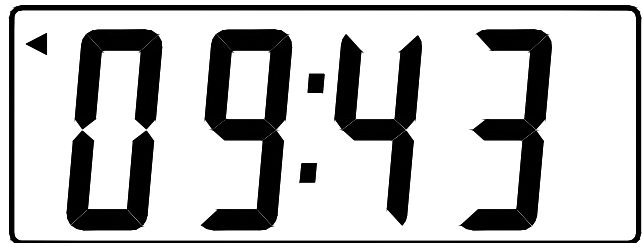
### RECALL STORED DATA

Press **Recall** key, display will recall the stored data. The display sequence will be:

weight → date → time



The data can always be recalled either in the weight mode or the time and date mode.



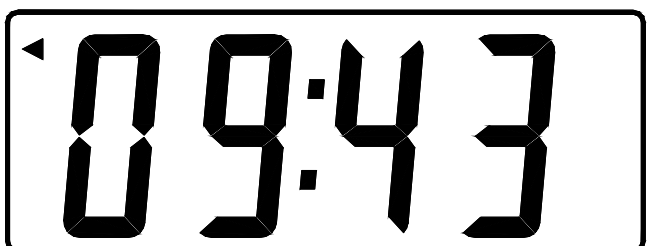
### WEIGHT DIFFERENCE

In weight mode, press the **Difference** key, display shows the difference in weight compared to that of last weighing. The display order is:

weight difference → date → time



**Note:** The weight difference could be a negative value.

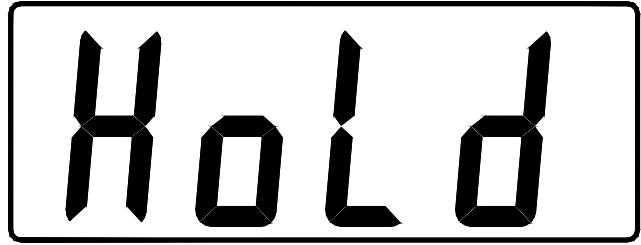




## OPERATION, Cont.

### HOLD FEATURE

In weight mode, press **ADJ/HOLD** key, display shows "HOLD".



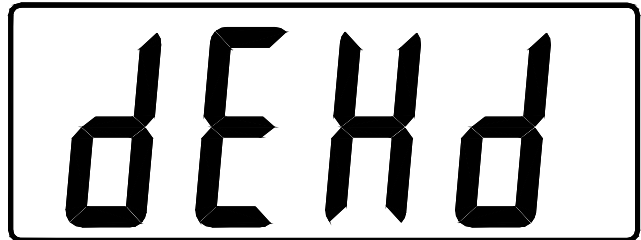
Before the weight is stable, the arrow will keep flashing.



After the weight is stable, the display will show

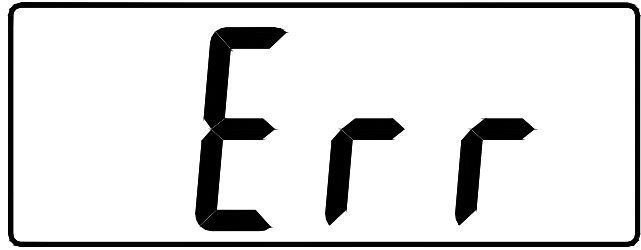


To disable HOLD function, just press **ADJ/HOLD** again.

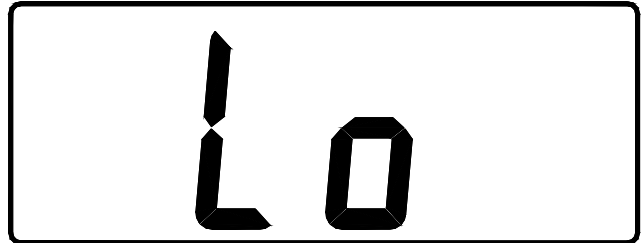


## ERROR AND STATUS MESSAGES

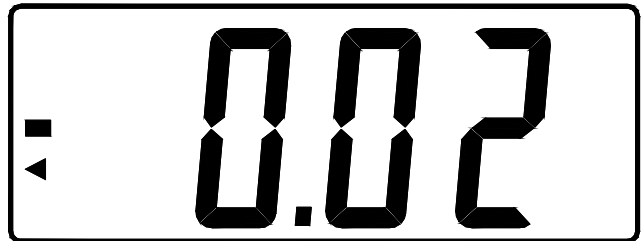
Overload indication



Low battery indication



Negative value indication (kg unit)



Negative value (lb/oz unit)

