



OPERATION MANUAL

MODEL:

DC-130

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EDITION

	MONTH	YEAR
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<i>4TH</i>		
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<i>8TH</i>		
<i>9TH</i>		
<i>10TH</i>		

DC-130 SERIES OPERATING MANUAL

INDEX

<u>SECTION</u>	<u>PAGE NUMBER</u>
1.0 GENERAL	1
1.1 <u>Description</u>	
1.2 <u>Warranty</u>	
2.0 SPECIFICATIONS	2
2.1 <u>Capacities</u>	
2.2 <u>Technical</u>	
3.0 INSTALLATION	4
3.1 <u>Unpacking</u>	
3.2 <u>Inspection</u>	
3.3 <u>Repacking</u>	
3.4 <u>Unlocking Procedure</u>	
4.0 ELECTRICAL TEST	6
4.1 <u>Set-Up Procedure</u>	
4.2 <u>Keyboard & Display Test</u>	
5.0 DC-130 OPERATIONAL PROCEDURES	9
5.1 <u>DC-130 Operation</u>	
<u>DC-130 Keyboard Layout</u>	
<u>Key Switch Information</u>	
<u>Indicator Lamp Information</u>	
<u>Message List</u>	
5.2 <u>DC-130 Procedure for Determining</u>	
<u>an Unknown Unit Weight</u>	
5.3 <u>DC-130 Parts Counting</u>	
5.4 <u>DC-130 Accumulation</u>	
5.5 <u>DC-130 Setpoints</u>	
5.6 <u>Parts "In-Out" Operation</u>	
6.0 PROGRAMMING	19
6.1 <u>Using a Programmed Code No.</u>	
6.2 <u>To Check or Change Memory Data for an Item</u>	
6.3 <u>To Delete Items from Memory</u>	
<u>Sample Programming Form</u>	
7.0 DC-130 OPTIONS	24
7.1 <u>Battery Option</u>	
8.0 MAINTENANCE, CALIBRATION, TEST PROCEDURE & SERVICE	25
8.1 <u>Maintenance Procedures</u>	
8.2 <u>Service & Repair</u>	

DC-130 SERIES OPERATING MANUAL

1.0 GENERAL

1.1 Description

The DC-130 counting scale offers a practical solution to a full range of precision counting applications. There are a variety of models available ranging from a weight capability of 1.5 lbs. thru 150 lbs. utilizing an internally mounted load cell. A console model is also available with an external platform in any of the above mentioned capacities, or additional capacities as listed on page 2.

This instruction manual will provide the user with all the information necessary to understand, set-up and operate the DC-130 scale. Included in this manual are descriptions, specifications, drawings, and operating instructions.

1.2 Warranty and Limitation of Liability

DIGI MATEX, INC. expressly warrants to its buyers for ONE YEAR from the date of purchase that the goods sold shall be free from defects in workmanship and materials under normal operating conditions. At its option, DIGI MATEX, INC. will repair or replace, without charge, any goods which it finds to be defective in either workmanship or materials provided that DIGI MATEX, INC. has been notified by the buyer of the defect prior to the termination of the warranty period, and the goods are shipped to DIGI MATEX, INC. with its authorization and with all shipping costs paid by buyer, and the goods have been used under normal operating conditions. This remedy shall be buyer's sole and exclusive remedy in any warranty claim. This express warranty is in lieu of any others warranties express or implied, including the implied warranties of merchantability and fitness for an intended purpose, with the exception of the implied warranty of title. In no event shall DIGI MATEX, INC. be liable for any incidental or consequential damages resulting from a warranty claim.

2.0 SPECIFICATIONS

This section will include a detailed listing of all pertinent specifications and parameters for each of the DC-130 counting scales. The system weighing accuracy of all models meets or exceeds the requirements of the National Bureau of Standards Handbook, Number 44, 1989 edition.

2.1 Capacities

The following resolution specifications apply to all models of DC-130 counting scales:

<u>DC-130 Counting Scale</u>	<u>Minimum Division*</u>
1.5 lb.	0.0002
3 lb.	0.0005
6 lb.	0.001
15 lb.	0.002
30 lb.	0.005
60 lb.	0.01
150 lb.	0.02
300 lb.	0.05
600 lb.	0.1
1500 lb.	0.2
3000 lb.	0.5
6000 lb.	1
15000 lb.	2
30000 lb.	5
60000 lb.	10

*Units are switchable from lbs. to kgs. and can be programmed to primarily weigh in lbs., ozs., kgs., g., or dwt.

DC-130 Specifications (continued)

2.2 Technical

Displays	Weight	5 digits
	Unit Weight	5 digits
	Quantity	6 digits
Display Resolution	1/7,500 for 1.5, 15, 150 lb. etc. 1/6,000 for all others	
Internal Resolution	1/75,000 for 1.5, 15, 150 lb. etc. 1/60,000 for all others	
Power Supply	AC 117VAC, 50/60HZ	
Operation Temperature Range	0 C ~ 40 C (32 F ~ 130 F)	
Memory	Max 100 Items, Each item with:	
	Code No:	Max 12 digits
	Part No:	Max 12 digits
	Tare Weight:	Max 5 digits
	Unit Weight:	Max 5 digits
	(per 1000 pcs)	
	Inventory:	Max 6 digits
	Set Point	Max 6 digits
	(weight or count)	
	Set Point % Alarm:	0 - 999.99%
External Dimensions	70mm x 420mm x 120mm 14 1/2"x16 1/2"x4 3/4"	
DC-130	Internal Platform Size	
	1.5 lb.	8" x 5 3/4"
	3 lbs.	9 3/4" x 7 1/8"
	6-150 lbs.	14 1/2" x 11 5/8"

3.0 INSTALLATION

This section provides the information required for installation of the DC-130 counting system for operation. The following steps accomplish installation.

1. Unpacking
2. Set-up Procedure

3.1 Unpacking

Each component of the DC-130 system is packed in a specially designed carton. Remove each component from its carton, separate the component from its polystyrene shell assembly and set aside. Inspect the carton interior to be sure that all accessories have been removed from the carton. Inspect the carton inner panels for accessories.

NOTE: Be sure to repack all materials within the carton set. Store the cartons in a secure area so they can be available whenever shipment of the scale is required.

3.2 Inspection

Immediately after unpacking, a visual inspection of the instrument should be performed. If any damage has been incurred during transportation the shipper and DIGI MATEX INC. should be notified immediately. Instructions for assessment of damage and further procedures will then be determined.

3.3 Repacking

If, at anytime, the DC-130 counting scale must be returned for modification, calibration, or repair, be sure that it is properly packed with sufficient cushioning materials.

Whenever possible, the original carton assembly should be retained for this purpose. Any damage caused by improper packaging will not be covered by warranty.

3.4 Unlocking Procedure

The unlocking procedure is included on the next page.



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UNLOCKING PROCEDURE

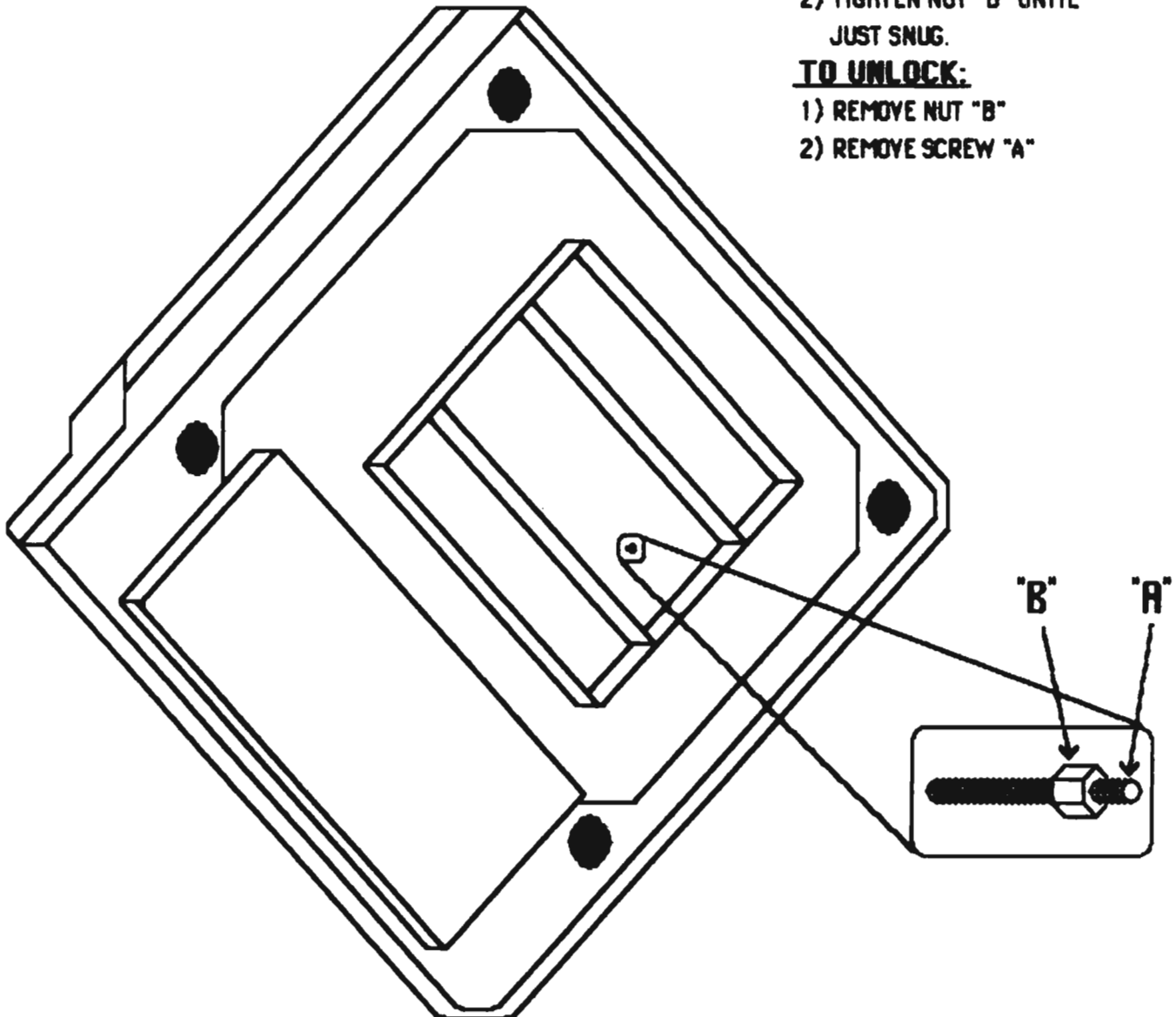
ALWAYS LOCK SCALE BEFORE TRANSPORT

TO LOCK:

- 1) TIGHTEN SCREW "A" UNTIL FINGER TIGHT.
- 2) TIGHTEN NUT "B" UNTIL JUST SNUG.

TO UNLOCK:

- 1) REMOVE NUT "B"
- 2) REMOVE SCREW "A"



4.0 ELECTRICAL TEST

4.1 Set-Up Procedure

This part of the procedure is used to verify proper operation of the counting scale.

Place the scale on a reasonably level surface. Level the scale using the adjustable legs and the level bubble guide.

Connect the AC power source, and press the "off" key. At turn-on, the display will momentarily show all digits from 0 to 9 in a "count-up" mode. Then the display will blank, show all "8's", and enter the regular operating display.

If at any time the scale displays erratic data, it may be caused by a power transient. Turn the scale "off" and momentarily unplug it from the wall outlet. Then restart, by plugging the scale back in and pressing the "on/off" key.

4.2 Keyboard and Display Test

This part of the procedure is used to verify proper operation of the various switches and displays. The following functions will be tested in this procedure:

- A. Key Entry of Unit Weight
- B. Digital Tare Entry
- C. Weight, Unit Weight & Quantity Displays
- D. Quantity Entry
- E. Accumulation
- F. User Determined Sample

4.2.1 The Unit Weight Display & Unit Weight Key Entry is tested as follows:

- a Push the "0" key once, then the "UNIT WT" key to clear any unit weight display.
- b Press the "1" number key five times and then the "UNIT WT" key once. The unit weight indication should now be [11111].
- c Press the "0" key, then the "UNIT WT" key to clear the display.
- d Repeat for each number, i.e. 2, 3....0.
- e Check decimal entry by entering 12.34 and then press the "UNIT WT" key.

4.2 Continued

4.2.2 One Touch Tare

- a Push the "0" key and then the "TARE" key to reset any tare display
- b Press REZERO to re-zero the scale
- c Place the empty container on the scale and press the "TARE" key once. The weight display should now read zero with the empty container on the scale

4.2.3 Digital Tare Entry

- a Push the "TARE" key.
- b Push the "RE-ZERO" key. After resetting, the displays will read zero.
- c Enter the number 0.2 by using the keyboard. Then push the "T" (Tare) button. (For digital tare entry, the decimal must be entered in the appropriate place as they would be displayed in the weight display)
NOTE: .250 must be entered as "0.250", not ".250".
- d The weight display will show the weight entered with a negative sign indicating that the weight displayed is a tare weight.

4.2.4 Weight, Unit Weight & Quantity Display

- a From the previous step, there should be a tare weight showing in the weight display. If it has been accidentally cleared out, re-enter the weight, since the quantity display will not be activated unless a weight is displayed.
- b Enter the number 123 through the keyboard and press the "PIECES" key. The display will show all dashes momentarily and then an accuracy number will be displayed on the weight and unit weight windows (EX: ACC 99.98) After a moment, 123 will appear in the quantity window, and a unit weight will also be computed and displayed. This operation will take a few seconds.

4.2 Continued

4.2.5 Accumulation Test

After the previous step, the quantity window will read [123].

- a Press the "+" key. The weight display will blank momentarily and the unit wt. display will read [123]. The quantity display will read [totAL]. The memory lamp will glow. After a moment, the scale will resume operation mode.
- b Since the weight and unit weight have not been changed, the quantity display will continue to read [123].
- c Press the "+" key, again. The weight display will blank and the quantity display will read [totAL] and the unit wt display will show the accumulated value of [246].
- d Press the "*" key, which will clear the memory. The memory lamp will go out.

4.2.6 Fixed Sample Test

After the previous test the weight window will still read [-0.2].

- a Press "0", then the "UNIT WT" key clearing unit weight.
- b Press the "PIECES" key.
- c The quantity display will read [10] and a unit weight will be displayed.
- d Press the "TARE" key to clear the tare weight.

5.0 DC-130 OPERATIONAL PROCEDURES

The DC-130 is a simplified counting system with an easy-to-use keyboard. This section is therefore structured into an operational procedure guide for the DC-130.

5.1 DC-130 Operation

Place console and scale on a stable and reasonably level surface. Using the bubble on the front of the scale as a guide turn the adjustable feet at the bottom of the unit to level the scale. Plug the power cord into grounded 115 VAC receptacle, and the cable from the adapter into the rear of the scale. Using the on/off key, turn unit "on", and allow to warm up for 10 minutes. (Note: if the scale has been connected to power even while in the "off" condition, no warm-up is necessary.) The scale is now ready to operate.

Basic to all counting procedures is the requirement to establish the average unit weight of the parts to be counted. Typically this is done by taking a representative sample quantity of the parts, determining the total weight of that sample, and then developing the average unit weight by computation. The DC-130 does this all in one step. The DC-130 permits determination of average part weight to a very precise value by the combination of 2 computational functions:

- a Insufficient sample level
- b Accuracy enhancement by recomputation

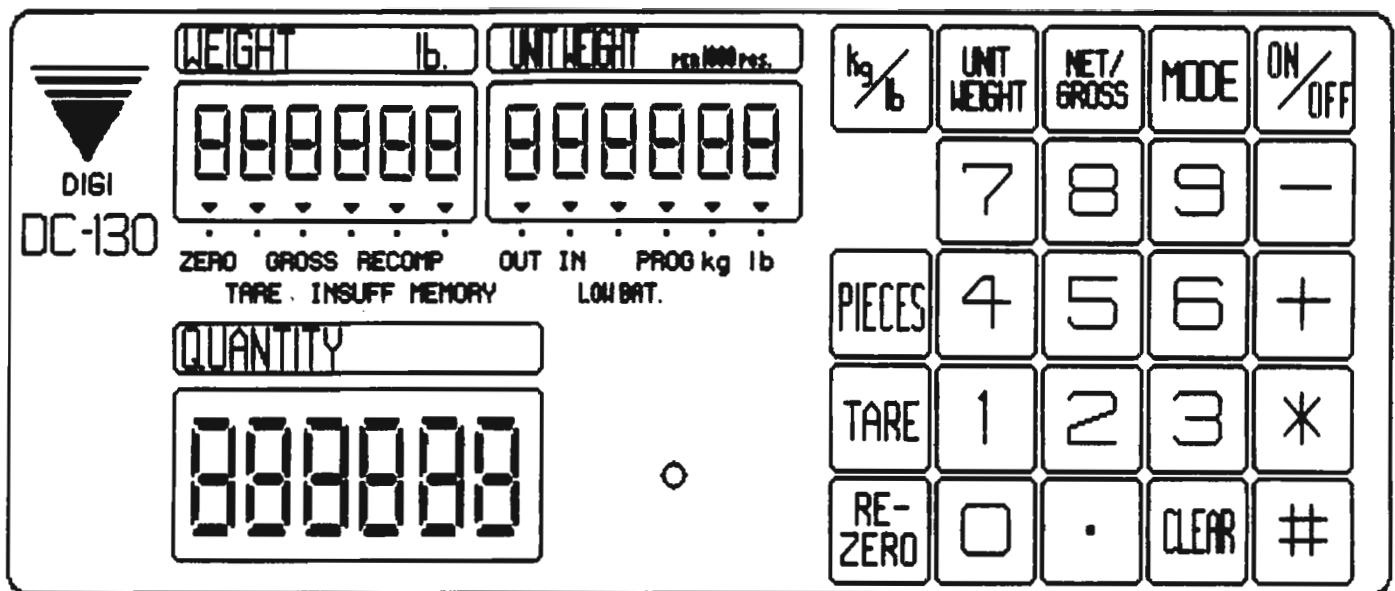
The degree of precision to be developed can be determined by the operator based on the recomputation.

The following sections outline the operating sequences from various counting situations.

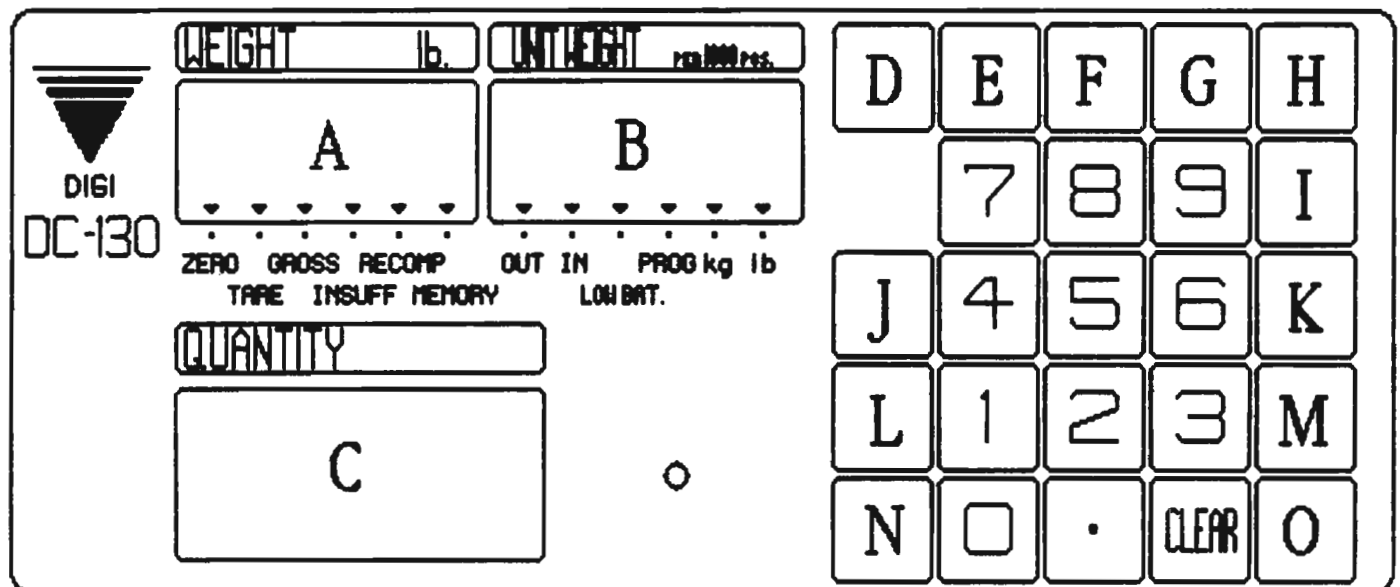
These sections will outline the operating procedures for:

- 1 Determining Unit Weight
 - a 10 pc sample greater than the insufficient sample level
 - b 10 pc sample less than the insufficient sample level
- 2 Parts Counting
 - a Onto the scale
 - b Into a container
- 3 Reverse Sampling and/or Counting
- 4 Accumulation

Note: The key display layout diagram including the function of the keys and lamps is included here for easy reference.



DC-130 KEYBOARD ILLUSTRATION



- A. Weight display (6 digits).
- B. Unit weight display (6 digits).
- C. Quantity display (6 digits-large).
- D. Pounds/kilograms switch.
- E. Unit weight key.
- F. Net/Gross key.
- G. Mode key.
- H. Power switch.
- I. Minus key.
- J. Pieces key.
- K. Plus key.
- L. Tare key.
- M. Enter key.
- N. Re-zero key.
- O. Code key.

KEY SWITCH INFORMATION

<u>Key Name</u>	<u>Key Function</u>
1 ~ 0	Numeric Keys
.	Decimal Point Key
Clear	Clear Key
Re-Zero	Re-Zero Key
Tare	Tare Key
Pieces	Sample Key
Unit Weight	Used to enter unit weights from the keyboard
Mode Key	Used to enter program mode
#	Code Key
Net/Gross	Quantity in Stock Key
+	Plus
-	Minus
*	Total
On/Off	Power On/Off Key
Kg/Lbs key	Used to change display from lbs. to kgs.

INDICATOR LAMP INFORMATION

<u>Lamp Name</u>	<u>Lamp Function</u>
Zero Lamp	Indicates scale is within + 1/4 division of true zero
Tare Lamp	Indicates presence of a tare wt.
Gross Lamp	Indicates reading is gross wt.
Insuff Lamp	Indicates sample size is too small when lit
Recomp Lamp	Indicates that unit weight may be recalculated after adding pieces by pressing "PIECES" key
Memory Lamp	Indicates an accumulated total is in memory
Out Lamp	Indicates quantities being removed from inventory total
IN Lamp	Indicates quantities being added to inventory total
Low Bat Lamp	Indicates battery is in need of changing (with battery option only)
Mode Lamp	Indicates scale is in program mode
KG Lamp	Scale weighing in kg.
LB Lamp	Scale weighing in lb.

MESSAGE LIST

MESSAGE	CONTENTS
---Add XX	Sample size is too small
All CLEAR	Clearing all items in memory
C XX	Number of items in memory
CH XX	Checking part code
CLEAR	Clearing one item in memory
InS FS	Setting insufficient sample size
InVent CLEAR	Clearing inventory data
Lo-Err	Zero is out of range on the low side
P-no CLEAR	Clearing part number
ProG.	In programming mode
P-oFF	Setting "Sleep" time for battery option
SEt 1	Setting setpoint 1
SEt 2	Setting setpoint 2
SPEC XX	Setting Spec Data
tArE CLEAR	Clearing tare weight in memory
total XXXX	Doing "+" "-" accumulating operation
t - C XX XX	Programming alpha/numeric part number
UnIt CLEAR	Clearing unit weight in memory
UP-Err	Zero is out of range on the high side
UEr - XXX	Software version number

(X: Numerics)

5.2 DC-130 Procedure for Determining an Unknown Unit Weight

- a Turn the unit on. The displays will momentarily read all eights before reading 0's in the weight, unit weight and quantity display windows.
- b Put a sample number of pieces, 10 or more, on the platter.
- c Key-in the number of sample pieces with the numeric key.
- d Press the "PIECES" key. The unit weight will be displayed on the "Unit Weight" window.

5.2.1 Unit Weight Enhancement (Recomputing Function)

When a very accurate unit weight is needed, add an arbitrary number of pieces to the sample quantity, then depress the "PIECES" key. It is not necessary to hand count the additional pieces. (See section 5.2.4.)

The scale will recompute the unit weight, and the new unit weight will be displayed.

This function works only when the "RECOMP" arrow lamp is on.

5.2.2 Regarding Insufficient Sample

When the sample pieces are put on the platter, and the number of pieces is NOT sufficient, the "INSUFF" arrow lamp will light. The [Add] (add) line will also show up in the upper display when the "PIECES" key is pressed

This means that the weight of the sample is insufficient for the scale to make an accurate calculation.

EX: Trying to weigh something as light as 10 paper clips on a 50 lb. DC-130 Scale.

Add the number of pieces requested and press the "PIECES" key. The weight, unit weight, and quantity of the item will then be displayed in each window. If desired, this message can be overridden by simply pressing the "PIECES" key a second time without adding additional parts.

5.2.3 Add Pieces Advisement

For those cases where less than the sufficient sample weight is placed onto the scale for sampling, the operator will be advised as to the number of pieces required to be added to the sample weight in order to bring the sample weight up to the sufficient sample level. This information will be displayed in the upper display window with the letters [Add] followed by the number of pieces to be added.

5.2 continued

5.2.4 Improvement of Unit Weight with Recomputation

Whenever the unit weight has been developed thru sampling, the accuracy of that computation can be improved by increasing the sample size using the Recompute feature.

Especially for pieces that have a large part weight variance, the average unit weight of such a part can be more precisely determined by using a large quantity in the sample. The scale will determine the Recompute range based on the existing sample.

The procedure is as follows:

a Initial Sample

Determine the unit weight by the normal sampling procedure.

b Recompute Range

If the initial sample fits the Recompute criteria then an additional group of parts (usually 1 to 3 times the initial sample size) may be placed onto the platform. Any number of parts will suffice provided the recompute light remains on. Should the light go out, remove some parts until the light goes on again.

Note: The precise computation of the Recompute range is determined by a formula incorporating the initial sample piece weight, sensitivity, and statistical error correlation factors.

c Recomputation

After placing the additional parts onto the platform, press "PIECES" and the scale will recompute the average unit weight based on the total sample.

This procedure may be repeated by adding more parts (within the Recompute ranges) up to the limit of scale capacity.

Note: Recomputation will not function for some parts with very small unit weights.

5.3 Parts Counting

Typically once the unit weight has been developed by any of the methods in Section 5.2, the bulk quantity may be counted by one of the following procedures. If the unit weight is already known, it may be entered directly through the key board by the numeric and decimal keys, then pressing the "UNIT WT" key.

5.3.1 Parts Counting Directly onto the Scale Platter

Immediately after the sample quantity is displayed, additional parts may be placed onto the platter and the correct weight & quantity will be displayed. (The original sample may be left on the scale & the displayed weight & quantity will be the total.)

5.3.2 Parts Counting into a Container

- a When counting an unknown or predetermined weight or quantity, place an empty container onto the platter. Press "T" (Tare) to cancel the weight of the container and to set the zero quantity point.
- b Add parts into the container until the desired number of parts (or weight) is displayed, or until all the parts are placed onto the platter.

5.4 DC-130 Accumulation

If it is necessary to accumulate parts count from a series of containers, the following procedure may be used.

- a After any count has been developed, press the "+" key to store the displayed quantity in memory. The lower display will read [totAL]. The Memory Lamp will be lit, while the memory sub-total will be displayed in the upper window. After a moment, the scale will return to the normal mode.
- b To clear the memory after a series of accumulation entries, press the "*" key, after the last "+". This will cancel the stored memory.
- c If an entry needs to be deleted from the accumulated total, pressing the "-" key will subtract the quantity displayed.

Note: Because of memory capacity limitations the DC-130 counting scale will only accumulate up to 999,999. The scale will not permit an accumulation above this quantity.

5.5 DC-130 Setpoints

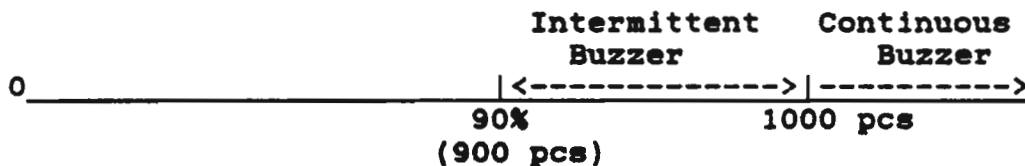
The DC-130 can be easily configured to utilize setpoints or audible alarm points to alert the operator to a predetermined weight or quantity and an intermediate alarm to warn of its approach as weight is placed on the scale.

Setpoints may be programmed to operate in a general fashion on all items being weighed or counted (spec. code selectable) or they can be specific to each code no. programmed. If no code number is selected or if the code number selected has no setpoint programmed, the general setpoint will be enabled.

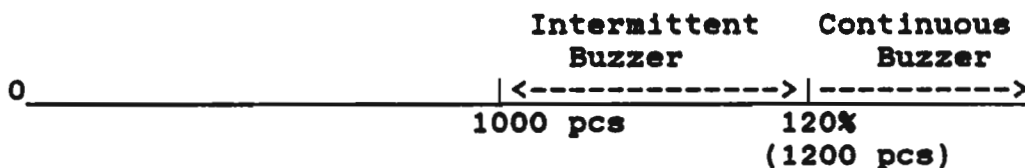
Setpoint 1 will sound continuously when the target weight or count is reached.

Setpoint 2 is a pre-alarm percentage of setpoint 1 and will sound an intermittent beep to indicate the approach or departure of setpoint 1

(EX 1) Set-Point 1 = 1000 pcs
Set-Point 2 = 90%



(EX 2) Set-Point 1 = 1000 pcs
Set-Point 2 = 120%



5.5 Continued

5.5.1 To Program General Setpoints:

- 1 Press the "MODE" key. Upper display will read [PROG]
- 2 Press and hold "RE-ZERO" key, press "+" then release "RE-ZERO" key
- 3 Display reads [Set 1]. Enter target weight or count. Whether weight or count setpoints are used depends on the initial specification program of the scale. See your DIGI dealer for details. Weights must be entered exactly as they appear in the weight window (ex. 10.000, not 10).
- 4 Press "+" key. Display reads [Set 2].
- 5 Key in setpoint pre-alarm percentage.
- 6 Press "+", then press "MODE" twice to return to normal operation
- 7 To clear general setpoints, proceed as above but enter 0 for Set 1 and Set 2.

5.6 Parts "In-Out" Operation (Inventory):

For code numbers already in memory (see programming section)

PARTS OUT

- 1 Enter parts Code No.
- 2 Press code key "#".
- 3 Place empty container tare weight on the platform.
- 4 Press "#" key to set the "OUT" lamp on.
- 5 Place parts to be taken from inventory on platform.
- 6 Now press total "*" key to subtract that quantity from inventory.
- 7 To return to normal operation press mode "MODE" key 2 times.

PARTS IN

- 1 Enter parts Code No.
- 2 Press code "#" key.
- 3 Place empty container equal to tare weight on platform.
- 4 Press "#" key to set the "IN" lamp on.
- 5 Place parts, to be added to inventory, on platform.
- 6 Press total "*" key to enter that quantity.
- 7 To return to normal operation press "MODE" key 2 times.

6.0 PROGRAMMING:

Up to 100 code numbers may be programmed. Each code no. can have any or all of the following data stored:

Code No.	(Max 12 digits)
Part No.	(Max 12 digits)
Tare Weight	
Unit Weight	
Inventory	(Max 6 digits)
Setpoint	(Max 6 digits)
Pre-Alarm Setpoint %	

Programming a code no. and related data is accomplished as follows:

- 1 In normal operate mode, press the "MODE" key once. Notice the PROG indicator in the unit weight window is lit.
- 2 Use the numeric keys to enter a code number and press the "#" key.
- 3 Enter a tare weight, if required and press the "TARE" key.
- 4 Enter a unit weight, if required and press the "UNIT WEIGHT" key, or place a sample number of pieces on the scale, enter the quantity of pieces using the numeric keys and press the "PIECES" key. The scale will calculate the unit weight.
- 5 Enter an alternate part no., if required, and press the "-" key.
- 6 Enter inventory quantity, if required and press the "NET/GROSS" key.
- 7 A If setpoints are required for this item, press the "+" key. [Set 1] will appear in the quantity window. Key in the setpoint value. Weights must be entered exactly as they appear in the weight window. (ex. 10.000 not 10)
B Press the "+" key.
C [Set 2] will appear. Key in the desired pre-alarm percentage.
D Press the "+" key (See the previous note on setpoints).
- 8 Press the "*" key to complete the programming for this code item.
- 9 Repeat steps 2 to 8 as required for additional code numbers.
- 10 When all code nos. are entered, press the "MODE" key to return to operate mode.

6.1 Using a programmed Code No.:

- 1 In operate mode, key in the code no. and press the "#" key.
- 2 The displays will respond with the preprogrammed information.
- 3 Place items and container on the scale
- 4 If the code no. entered has not been programmed into memory, the lower display will read [not F]. If the code number is to be entered into memory, press the '#' key to enter it or press the "CLEAR" key to clear the display.

The unit weight for this code number may also be programmed at this time

- 1 Enter the unit weight (if known) with the numeric keys. If the unit weight is not known, use the sample procedure mentioned in section 5.2.
 - 2 Press the "UNIT WT" key.
- The new code number and its associated unit weight are now in memory.
All the other items for this code number must be entered while in the program mode

- 1 Press the "MODE" key, upper display will show [ProG]
- 2 Enter code number, press the "#" key, lower display will say [CLEAR]
- 3 Press "#" key
- 4 Enter other values as above (see programming section)

6.1.1 To review the code numbers already in memory

- 1 Press the "MODE" key. The upper display will read [ProG]. The lower display will show the letter [C] and the total number of codes in memory.
- 2 Press the "#" key. The 1st code will be shown in the upper display. The lower display will show [C 1].
- 3 Press the "+" key. The 2nd code will be shown in the upper display. The lower display will show [C 2]
- 4 Pressing the "+" key will advance to the next code, pressing the "-" key will go to the previously displayed code
- 5 Press the "MODE" key twice to exit and return to the operate mode.

6.2 To check or change memory data for an item

- 1 Press the "MODE" key
- 2 Enter the code number
- 3 Press the "#" key twice

<u>To check</u>	<u>Press</u>
Set 1	"+"
Set 2	"+" again
Alternate Part No.	"Parts No."
Inventory	"Net/Gross"

Press the "*" key to save the information
Press the "MODE" key to return to the normal operation mode.

NOTE: If a tare weight has been programmed, it will be displayed in the weight window after step 3 above.
Pressing the "TARE" key will erase the tare value and set it 0. Do NOT press the tare key if the pre-programmed value is correct.

6.3 To delete items from memory

6.3.1 To delete a particular code

- 1 Press the "MODE" key to enter the program mode
- 2 Enter the code to be deleted
- 3 Press the "#" key
- 4 Press the "CLEAR" key
- 5 Press the "MODE" key to return to the operate mode.

The chosen code will be deleted.

6.3.2 To delete entire memory

- 1 Press the "MODE" key to enter the program mode
- 2 Press and hold the "REZERO" key while pressing the "." key twice and then the "0" key
- 3 Release the "REZERO" key and press the "CLEAR" key
- 4 Press the "MODE" key to return to the operate mode.

The entire memory, all unit weights, all inventories, all setpoints, all tare weights, all code numbers and all part numbers will be deleted

6.3 continued

6.3.3 To delete all inventory values from memory

- 1 Press the "MODE" key to enter the program mode
- 2 Press and hold the "REZERO" key while pressing the "." key twice and then the "1" key
- 3 Release the "REZERO" key and press the "CLEAR" key
- 4 Press the "MODE" key to return to the operate mode

All inventory values will be deleted.

6.3.4 To delete all unit weights from memory

- 1 Press the "MODE" key to enter the program mode
- 2 Press and hold the "REZERO" key while pressing the "." key twice and then the "2" key
- 3 Release the "REZERO" key and press the "CLEAR" key
- 4 Press the "MODE" key to return to the operate mode.

All unit weights will be deleted.

6.3.5 To delete all tare weights from memory

- 1 Press the "MODE" key to enter the program mode
- 2 Press and hold the "REZERO" key while pressing the "." key twice and then the "3" key
- 3 Release the "REZERO" key and press the "CLEAR" key
- 4 Press the "MODE" key to return to the operate mode

All tare weights will be deleted.

6.3.6 To delete all part numbers from memory

- 1 Press the "MODE" key to enter the program mode
- 2 Press and hold the "REZERO" key while pressing the "." key twice and then the "4" key
- 3 Release the "REZERO" key and press the "CLEAR" key
- 4 Press the "MODE" key to return to the operate mode

All part numbers will be deleted.

Use this sample form to prepare data prior to storage in memory.

PROGRAM MODE		INVENTORY DATA STORAGE											
MEMORY DATA		DATA ENTRY											
		1	2	3	4	5	6	7	8	9	10	11	12
1	Code or Part Number												
2	Alternate P/M												
3	Tare Weight (incl. decimal)												
4	Unit Weight (incl. decimal)												
5	Inventory												
6	Set Point Quantity												

TO PROGRAM DATA, ENTER THE PROGRAM MODE BY PRESSING "MODE" KEY (DISPLAY WILL READ [PROG]).

INVENTORY DATA STORAGE PROCEDURE

DATA ENTRY

1. Enter code number
2. Enter alternate part number (if needed)
3. UNIT WEIGHT
 - A. Keyboard enter data
 - OR
 - B. Sample Data
 1. Place parts sample onto platter
 2. Key-in sample quantity
4. Key-in Inventory (on hand)
5. Key-in Tare Weight
6. Key-in Set Point
Key-in Qty or Wt
(as previously determined by spec code)
Key-in Pre Alarm
7. Program data into memory

DATA STORAGE

- Press "*" key.
- Press "----" key.
PARTS No.
- Press "UNIT WEIGHT" key.
- Press "PIECES" key.
- Press "NET/GROSS" key.
MOVEMENT
- Press "TARE" key.
- Press "+" key.
- Press "+" key.
- Press "*" key.
- Press "*" (ENTER) key.

NOTE: You must start with step 1 and end with step 7.

Steps 2 through 6 may be entered in any order and any of these steps may be omitted if the data is not required.

7.0 DC-130 OPTIONAL EQUIPMENT

7.1 Battery Option

The DC-130 can be ordered with a battery option which allows the unit to operate as a stand-alone system. (This option is also field installable.) The battery is charged when the standard AC adapter is in use, and a fully charged battery will power the unit for up to 24 hours with an overnight charge (10 hours minimum).

The DC-130 includes a "sleep-time" function which should be enabled when this option is used to prolong the life of the battery. This function turns the scale off after a preset number of minutes if the scale is undisturbed (no keys pressed, no weight placed on the scale).

To set the sleep time:

- 1 Enter the program mode by pressing the "MODE" key, display reads [ProG].
- 2 Enter the number of minutes until the scale turns off (1-99). Ex: 5
- 3 Press the "+" key.
- 4 Press the "MODE" key to return to the operate mode.

To check the settings:

- 1 Enter the program mode by pressing the "MODE" key, display reads [ProG].
- 2 Press the "+" key, display reads [P-oFF 05].
- 3 Press the "MODE" key to return to the operate mode.

Factory setting is 5 minutes.

8.0 MAINTENANCE, CALIBRATION, TEST PROCEDURE & SERVICE

This section contains information and instructions concerning maintenance of the DC-130 Counting Scale.

Preventive maintenance consists of periodically cleaning the external surfaces of the instrument and should be performed as often as operating conditions warrant.

The calibration procedure is designed to be an aid in maintaining the scale accuracy within specifications. The calibration procedure may also serve as a performance test procedure.

CAUTION: DO NOT ATTEMPT ANY SERVICE WHILE THE INSTRUMENT IS CONNECTED TO THE POWER LINES.

8.1 Maintenance Procedures

8.1.1 Exterior Maintenance

The exterior surfaces of the counting scale can be easily cleaned using soap and water. However, extreme caution should be used so that there is no possibility of water penetration into the scale electrical or mechanical sections. A damp cloth or sponge is suggested. NEVER USE ACETONE, MEK, OR SIMILAR SOLVENTS ON THE PLASTIC HOUSING AS THEY WILL ETCH THESE SURFACES.

For grease or other difficult spots, a chloroethane or naphtha based cleaner may be used. Never use any solvents on the front or rear panels.

Accumulations of dust or direct particles between the pins of the connectors may be removed by using dry forced air or a small dry brush.

8.1.2 Internal Maintenance

Internal maintenance is not normally required and if it is, should not be attempted except by a qualified, authorized service technician.

8.1.3 Calibration

The following procedure should be followed periodically (every six to twelve months is suggested) to determine that the scale is functioning in all modes.

a. Electrical

Follow section 4.0 through all its steps

8.1.3 Continued

b. Accuracy

Weighing: The scale weighing accuracy can be determined by applying various known weights to the platform. Because of the scale's very high accuracy, only weights that are certifiably more accurate than the scale's specifications should be used in testing for accuracy. (NBS class "F" or higher)

Since the scale owner does not normally have such certifiable weights available to him, it is suggested that the customer call their authorized DIGI dealer.

8.2 Service & Repair

No service or repair should be attempted except by qualified personnel, and not until it has been positively determined that the counting scale requires such service. All service should be done in a clean, dry, dust-proof area.

