WEIGH-TRONIX

PC-802 Counting Scale
Service Manual

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Specifications

Capacities and Resolutions:

Capacity	Normal Resolution	Expanded Resolution
10 lb	0.001 lb	0.00005 lb
50 lb	0.005 lb	0.0002 lb
100 lb	0.01 lb	0.0005 lb
5 kg	0.0005 kg / 0.5 g	0.00002 kg / 0.02 g
25 kg	0.002 kg / 2 g	0.0001 kg / 0.1 g
50 kg	0.005 kg / 5 g	0.0002 kg / 0.2 g

Overcapacity Limits: Overcapacity indication (upper dashes) will occur at 9 divisions over rated capacity or 102% of full scale capacity.

Internal Resolution: 1 part in 2,000,000 (QDT™)

Filters: Standard digital software filtering

Display: Seven digits of seven-segment, high-contrast black LCD, .5" (1.3 cm) high with blue electro-luminescent backlight

Power: 15VDC at 300mA from a 117VAC 60Hz inline transformer
Optional 12VDC lead acid battery

Output: Bidirectional RS-232 output with selectable baud rate

Operating environment: 14° to 104° F (-10° to 40° C)
10 to 90% relative humidity, non-condensing

What's In This Manual?

This manual contains the information you need to configure, calibrate and service the PC-802B counting scale. The manual is divided into the following sections:

- Scale Menu
- Diagnostic Menu
- Configuration Menu
- Communication
- Technical Drawings and Assemblies

Accessing Menus and Modes

Calibration, diagnostics, and configuration can also be accessed by pressing and holding the **PRINT** *key for five seconds.*

Switches not listed in Table are irrelevant to the mode. It does not matter what position they are in for that particular mode.

The scale defaults to 10,000d displayed resolution after calibration. Reset to your desired resolution.

The different modes of operation are accessed by placing the switches of SW1 in the positions described in Table 1. Switch SW1 is located under the scale shroud on the right side of the scale. See Figure 1.

Switch SW1		
ON	OFF	Mode of Operation
1, 2		Normal Operation Mode
2	1	Menu Mode (Scale, Diag., Config.)
	3	External Display Mode

Table 1
Switch settings

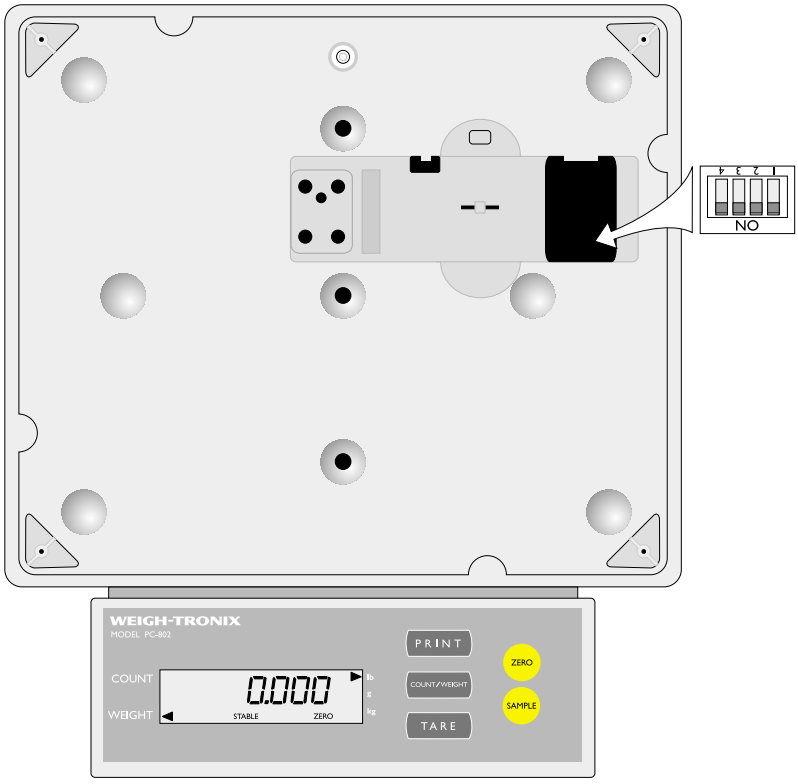


Figure 1
Switch SW1 location

Scale Menu

Because a 7 segment display cannot show all of the alphabet, the words on the display are the closest representations of the words they stand for that can be accomplished. The menus show the words as all caps and clarified in some instances. The explanations in the text will use the letters and case you will see on the display.

The first menu you see when entering the menu mode is the Scale menu. Follow these steps to explore the Scale menu.

1. Press and hold the **PRINT** key for five seconds or set SW1-2 to the ON position and SW1-1 to the OFF position. . .

   The display shows ***SCALE***. The entire Scale menu is shown in Figure 2 below.

2. Follow the legend at the top of the menu to navigate through the menu. Each item is explained on the next pages.

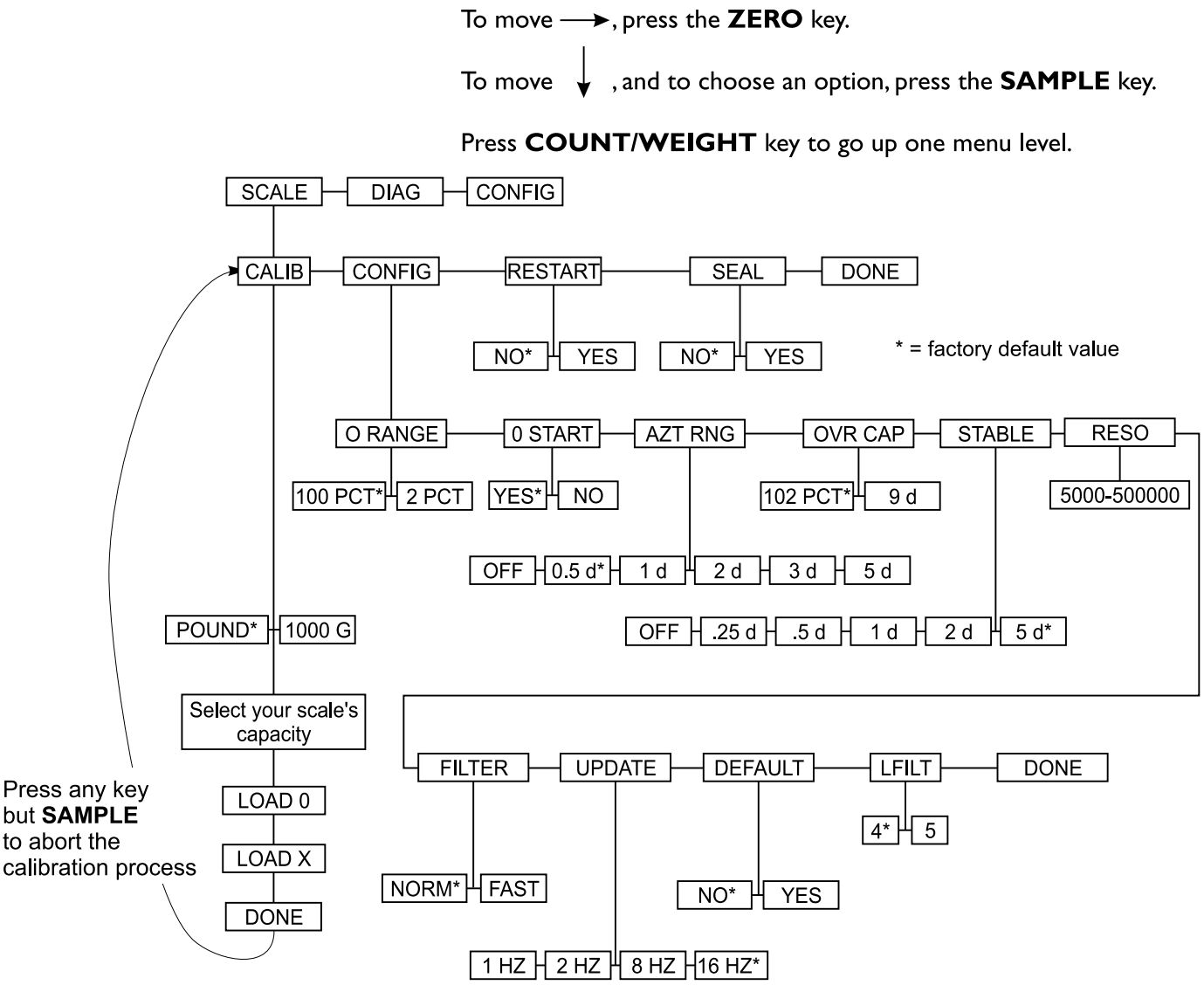


Figure 2
Scale Menu

CALib (Calibration)

Table 2
Alternate Span Weights

Scale Capacity	Alt 1	Alt 2
5	N/A	N/A
10	N/A	N/A
25	10	25
50	10	25
75	10	50
100	10	50
125	10	50
150	10	50
200	50	100
250	50	100
300	50	100
500	50	200

Press any key except the **SAMPLE** *key to abort calibration. If you abort the procedure,* ***Abort*** *is displayed briefly then* ***CALib****.*

During calibration the display may show ***bUSY*** *if scale motion is detected. Wait to see if the display clears. If not, turn off the scale and turn back on. Repeat the calibration procedure*

CALib is the calibration function for the scale. Follow these steps to calibrate your scale.

1. With ***CALib*** displayed, press the **SAMPLE** key. . .

   PoUnd or ***1000 g*** is displayed. These are your choices for unit of measure for the calibration test weight.

2. Toggle between these two units of measure by pressing the **ZERO** key. With the unit of measure you want displayed, press the **SAMPLE** key. . .

   A weight capacity is shown on the screen.

3. Press the **ZERO** key to scroll through the choices of scale capacity. With your choice displayed, press the **SAMPLE** key. . .

   LoAd 0 is displayed. Be sure all weight is removed from the scale.

4. Press the **SAMPLE** key. . .

   bUSY is briefly displayed then ***LoAd X***. ***X*** is the amount of weight to put on the scale for calibration. You can scroll to an alternate weight by pressing the **ZERO** key. See Table 2 at left.

5. With ***LoAd X*** displayed, place ***X*** weight on the scale and press the **SAMPLE** key. . .

   bUSY is briefly displayed then ***donE***. The display then returns to ***CALib***.

6. After calibration has been successfully performed you must reset the scale to your desired display resolution. Calibration automatically resets resolution to 1 in 10,000.

ConFig (Configuration)

ConFig (scale configuration) is the next item under the Scale menu. Below are descriptions of each item in this submenu. Use the **ZERO** and **SAMPLE** keys as you did in the calibration section to navigate through the choices and select the configuration items you want.

0 rAngE Zero range
Choices: **100%** or 2% of full capacity
Use this to set the allowable zero range.

0 Start Zero Start
Choices: **YES** or NO
If YES is select, the scale zeros when it powers up. If NO is selected, the scale will display the weight on the platter when it powers up.

Azt rng Auto zero tracking range
Choices: Off, **0.5d**, 1d, 2d, 3d, 5d
Use this to set the allowable zero tracking range. This will not affect the count or sample modes.

ovr CAP Over capacity
Choices: **102%** or full capacity or 9 divisions
Use this to set the overcapacity limit.

StAbIE Stability
Choices: Off, 0.25d, 0.5d, 1d, 2d, **5d**
Use this to set the stability limit. This is the allowable motion for zero acceptance, tare acceptance and the stable indicator.
Off = 100d.

The scale defaults to 10,000d resolution after calibration. Reset to your desired resolution.

rESo Resolution
Choices: 5k, **10k**, 12.5k, 15k, 20k, 25k, 30k, 40k, 50k, 75k, 100k, 125k, 150k, 200k, 250k, 300k, 400k, 500k
Use this to set the desired scale resolution.

FiLtEr Filter
Choices: **Normal** and Fast
Use this to set the amount of filtering needed for your situation. Choose Fast in situations with excess vibration.

Bold selections are factory defaults.

UPdAtE Update
Choices: 1 time/second, 2 times/second, 8 times/second, **16 times/second**
Use this to set the display update rate.

dEFAULt Default
Choices: Yes, **No**
Use this to reset the Config. factory defaults. Calibration will not be affected.

LFiLt LFilter
Choices: **4**, 5
Sets filtering of the Quartzell loadcell. A setting of 4 is more accurate but slows response compared to a setting of 5.

done Done
Hit the SAMPLE key with this displayed to move back to the ***ConFig*** display.

rEStArt (Restart)

Restart is the next menu item. Use this to reinitialize the scale. You will need to recalibrate if you choose yes.

SEAL (Seal)

Seal is the next menu item. Choose ***Yes*** if you want to disable access to the scale menu through the front panel **PRINT** key. If yes is chosen and you try to access the scale menu, ***SEALEd*** will be displayed. Choose ***No*** if you want to leave front panel access to the scale menu available.

done (Done)

Done is the last menu item in the Scale menu. Press the **SAMPLE** key to return to the ***SCALE*** display.

Diagnostic Menu

Figure 3 shows the Diagnostic menu. To enter the menu, press and hold the **PRINT** key for five seconds.

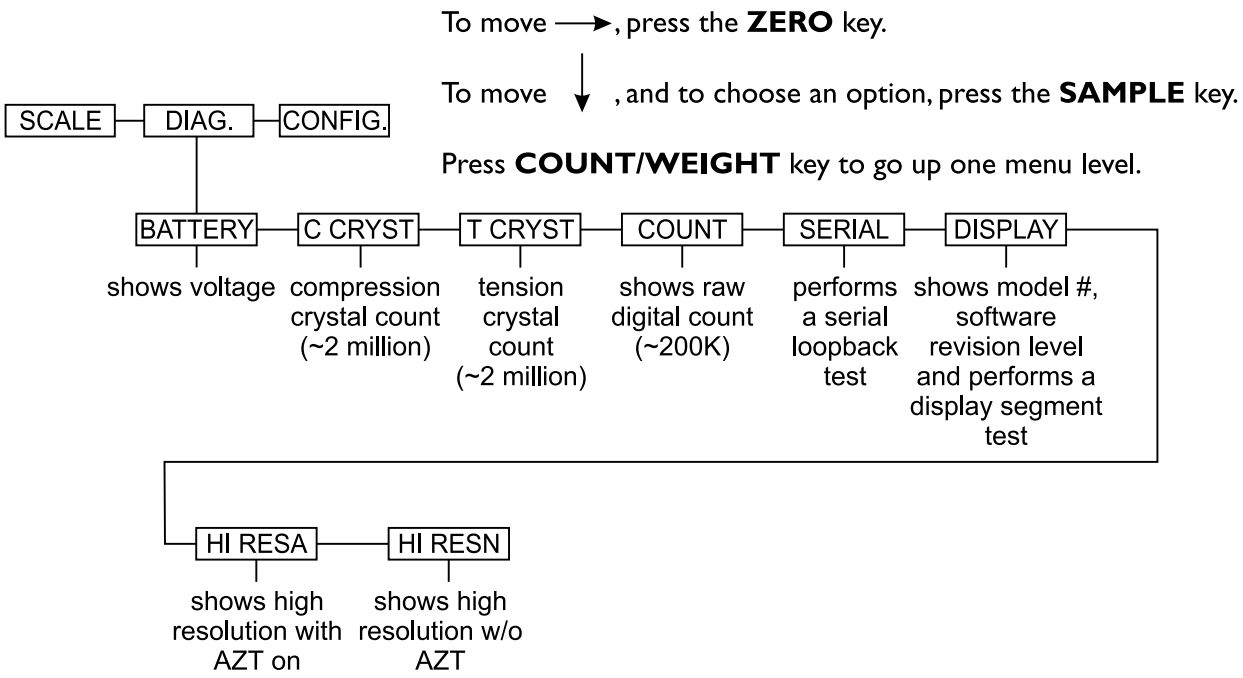


Figure 3
Diagnostic menu

A PC-802 with the backlight enabled and a fully charged battery may be expected to last 12 hours before recharging is necessary. With the backlight disabled the battery will last approximately 24 hours.

Access the diagnostic menu by following the instructions in the section *Accessing Menus and Modes.* Below are explanations for each of the items in this menu. With the test name displayed, press the **SAMPLE** key to perform the test.

BAttERY Battery
Choose this to display the current battery voltage. Battery voltage will usually read from 11 to 13 volts. The Lo Bat annunciator will show up when voltage drops to 11.5 volts. The scale will shut off when voltage is 10 volts. While recharging, this display will show 13-14.5 volts and if AC powered the display will show approximately 14.5 volts.

C CRYSt Compression Crystal
Choose this to display the raw digital counts from the compression crystal in the load cell. A typical count with no load on the scale is approximately 2.08 million. This number should increase as weight is applied to the scale. Press the **ZERO** key to end the test.

t CRYSt Tension Crystal
Choose this to display the raw digital counts from the tension crystal in the load cell. A typical count with no load on the scale is approximately 2.08 million. This number should decrease as weight is applied to the scale. Press the **ZERO** key to end the test.

Count	Count Choose this to display the raw, digital counts from the Quartzell™ loadcell. Count should be approximately 200,000.
SERIAL	Choose this to perform a serial loopback test. You must connect the Transmit and receive lines together for this test to work. Display will show pass or fail.
dISPLAY	Display Choose this to display the model number, software version and revision and to perform a display segment test.
HI RESA	High resolution with AZT enabled Choose this to display weight data with 1,000,000 count resolution. AZT is enabled during this test. Press the **SAMPLE** key to stop the test.
HI RESn	High resolution with no AZT Choose this to display weight data with 1,000,000 count resolution. AZT is disabled during this test. Press the **SAMPLE** key to stop the test.

Config. (Configuration) Menu

The Config. menu is shown in Figure 4. Access the Config. menu by following the instructions in the section *Accessing Menus and Modes.* Below are explanations for each of the items in this menu.

To enter the menu, press and hold the **PRINT** key for five seconds.

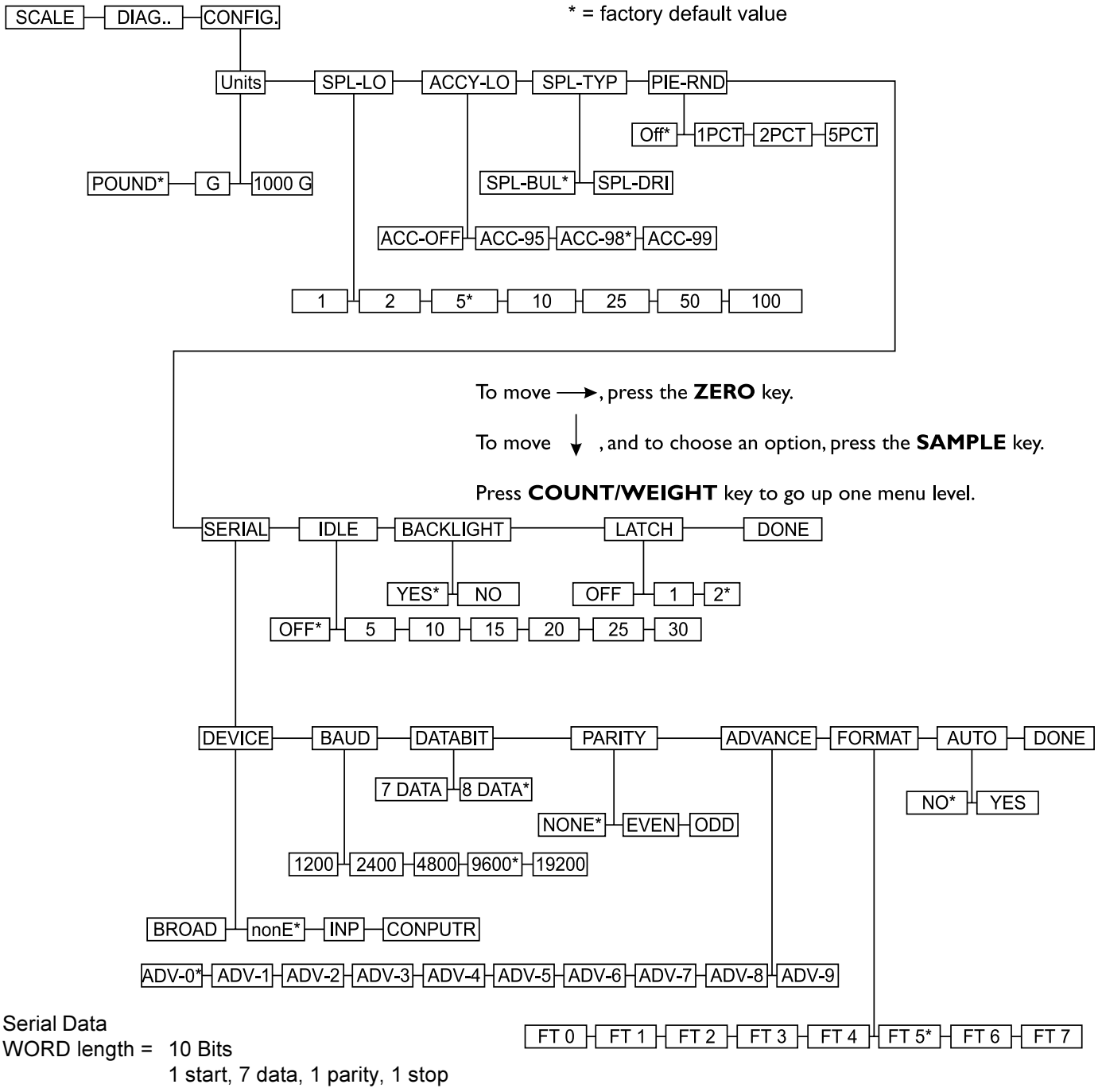


Figure 4
Configuration menu

Bold selections are the factory defaults.

UnitS Units
Choices: **pounds**, grams or kilograms.
Choose the unit of measure you want to use.

Spl Lo Sample low
Choices: 1, 2, **5**, 10, 25, 50, 100
Choose the minimum allowable sample size. For example; 5 is the defalut so 1 and 2 do not appear as sample size choices

AccY-Lo Accuracy low
Choices: Off, 95%, **98%**, 99%
Choose the minimum desired accuracy. Reducing sample accuracy requires smaller samples.

Spl-typE Sample type
Choices: **bul** (bulk) and dri (dribble)
Choose the type of sampling you want to use. Pick bulk sampling if you want to place all the sample parts on the scale at the same time. Pick dribble sampling if you will be counting (dribbling) parts onto the scale.

PIE-rnd Piece weight rounding
Choices: **Off**, 1%, 2%, 5%
Choose the percent of piece weight rounding you want. This rounds the calculated piece weight by the selected percentage.

Serial Serial
Use this submenu to configure the serial interface.

Word length is 10 bits.
1 start, 7 data, 1 parity, 1 stop bit

dEVICE Device
Choices: **none**, broadcast, imp printer, computer
Use this to choose the device to be interfaced with your scale. If you select imp, the output format will be selected by the format menu. If you select computer, the output format is determined by the commands received. Select broadcast to continuously output the format selected in the format menu.

bAUd Baud
Choices: 1200, 2400, 4800, **9600**, and 19,200
Choose the baud rate for your serial communication.

dAtAbit Databit
Choices: 7 or **8**
Choose the data bits to be used in serial communication.

PAritY Parity
Choices: **none**, even, odd
Choose the parity to be used in serial communication.

AdvAnCE Advance
Choices: **0**, 1, 2, 3, 4, 5, 6, 7, 8, 9
If you are using a printer, use this to choose the number of line feeds to be inserted after the formatted transmission.

ForNat Format
Choices: 0, 1, 2, 3, 4, **5**, 6, 7
If you are using an impact printer or Broadcast, choose from 8 preformatted outputs. These are described in the *Serial Communications* section of this manual.

Auto Autoprint
Choices: **No** and Yes
If you are using an impact printer, choose no to disable autoprint and yes to enable autoprint. If enabled the weight will automatically be printed after each weight is added and stabilizes. Autoprint will re-arm after the weight has returned to within 10 divisions of net zero.

donE Done
Press the **SAMPLE** key to return to the ***Serial*** display.

IdLE Idle
Choices: **off**, 5, 10, 15, 20, 25, 30 minutes
Choose the amount of idle time the scale will remain powered when operating under battery power. Choose off if you do not want the scale to automatically shut off.

A PC-802 with the backlight enabled and a fully charged battery may be expected to last 12 hours before recharging is necessary. With the backlight disabled the battery will last approximately 24 hours. Recharging takes approximately 8 hours.

Backlight Backlight
Choose to turn backlight on or off. On is the default setting.

Latch Latch
Choices are: Off, 1, **2**
Sample Latching, if enabled, gives the appearance of stability immediately following the sample process. The sample latch is broken when motion is detected or if the calculated count is over two pieces (default setting) away from the sample size. The latch will not function again until another sample process is completed.

donE Done
Press the **SAMPLE** key to return to the ***ConFig*** display.

Error Messages

The error messages you might see on the display are shown below.

EPr Err	EEPROM error - press the **TARE** key to acknowledge the error
CAL Err	Calibration error - perform calibration procedure to correct
Lo Bat	Low battery voltage - this annunciator will appear when battery voltage reaches 11.5 volts. The scale will shut off at 10 volts.
– – – –	Upper dashes mean overload. Remove weight.
_ _ _ _	Lower dashes mean an underload. Check weight plattter.

Serial Communications

Cable Pinouts

A straight through cable (1 to 1, 2 to 2, etc.) can be used from a 9-pin computer serial port to connect this scale.

Pinout assignments for the serial communication are shown below.

9-pin Female Scale		
Pin	**Name**	**Direction**
2	TXD	OUT
3	RXD	IN
5	SG	-

Preset Print Formats

There are seven preset serial print formats. Choose the one you want to use during configuration of the scale. The formats are described below.

Abbreviations:
CR = carriage return
LF = line feed
SP = space
U = units character
W = weight character
C = count character
T = tare character
G = gross weight character
P = piece weight character
I = weight type identifier (G for gross, T for tare and N for net)

If the scale is in count mode, displayed weight formats will send weight, not count.

Format 0

Net weight only:
WWWW.WW<CR><LF>

Format 1

Net weight with units:
WWWW.WW<SP>UU<CR><LF>

Format 2

GTN with units:
'G'<SP>GGGG.GG<SP>UU<CR><LF>
'T'<SP>TTTT.TT<SP>UU<CR><LF>
'N'<SP>WWWW.WW<SP>UU<CR><LF>

Format 3

Displayed weight with identifier:
I<SP>WWWW.WW<CR><LF>

Format 4

In Count Mode the output will be:
N<SP>CCCC<SP>PCS<CR><LF>

In Weight Mode the output will be:
I<SP>WWWW.WW<SP>UU<CR><LF>

Format 5

Net weight with units, count and piece weight:
Net = WWWW.WW<SP>UU<CR><LF> **(Net = or Gross =)**
Count = CCCCCCC<CR><LF>
Piece Wt = .PPPPPP<SP>UU<CR><LF>

Format 6

Fixed length (nine digits) displayed weight with units.
sxxxxx.xx uu<CR> (**s** = positive (a space) or negative (-) weight)

Format 7

COUNT: **CCCC<SP>PCS<CR><LF>**

Computer Protocol

The scale's RS-232 bidirectional communication works in a master/slave protocol. A computer or master sends a command code to the scale (slave) which will return a response to the master device or perform a scale function. Commands to the scale are in uppercase, terminated with a carriage return. Scale responses begin with the lowercase equivalent of the command code.

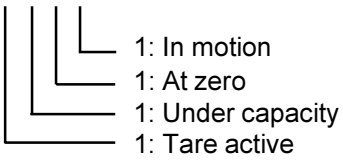
COMMAND	RESPONSE	DESCRIPTION
CA<CR>	none	Clear Sample
CC<CR>	cc_xxxxx<CR>	Request piece count
CP<CR>	cp_xxxxxx_uu<CR>	Request piece weight value
CM<CR>	none	Switch to count mode
DIxxxxxxxx<CR>	none	Display Message xxxx (message is 8 characters max)
IC<CR>	none	Reset Scale (warm start)
PWx.xxxxx_uu<CR>	none	Loads x.xxxxx as piece weight
TR<CR>	tr_x.xxx_uu<CR>	Request tare value
TZ<CR>	none	Clear the current tare
Txxxx.x_uu<CR>	none	Loads xxxx.x as tare
WD<CR>	ws_x.xxxx<CR>	Request net weight
WE<CR>	we_x.xxx_uu<CR>	Request net weight with units
W<CR>	we_x.xxxx_uuHML<CR>	Request net weight with units and status
WG<CR>	wg_x.xxx_uu<CR>	Request gross weight with units
WM<CR>	none	Switch to weight mode
WS<CR>	ws_HML<CR>	Request scale status
WZ<CR>	none	Zero the scale

Legend:

1) "_" ..... represents the ASCII space character
2) "u" ..... represents the units of measure character(s):
   ..... "LB" for pounds
   ..... "KG" for kilograms
   ..... "G" for grams
3) <CR> .. represents the ASCII carriage return
4) HML .... represents three bytes of scale status information as described on the next page.
5) Value entered is assumed to be in same units of measure as what the scale is currently in.
6) Display messages are limited to seven characters.

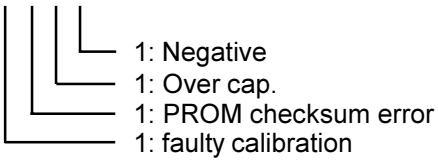
Scale Status Byte H:

BIT: 7 6 5 4 3 2 1 0
0 0 1 1 X X X X



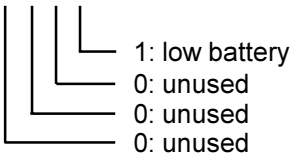
Scale Status Byte M:

BIT: 7 6 5 4 3 2 1 0
0 0 1 1 X X X X



Scale Status Byte L:

BIT: 7 6 5 4 3 2 1 0
0 0 1 1 0 0 0 X



Disassembly Instructions

Warning

WARNING! Be sure to counter the torque force applied when loosening or tightening screws connected to the weight sensor, or weight sensor damage may result. Also do not use a "T" handle allen wrench and always lay the palm of your hand on the aluminum top plate when your break loose the top screws.

If it is necessary to service the PC-802, follow this checklist for disassembly and re-assembly.

❒ 1. Disconnect the scale from the power source and remove the scale shroud.

SEE WARNING TO THE LEFT.

❒ 2. Remove the two socket-head screws securing the top plate to the weight sensor. Lift off the top plate. Do not lose the weight sensor spacer located between the top plate and the weight sensor.

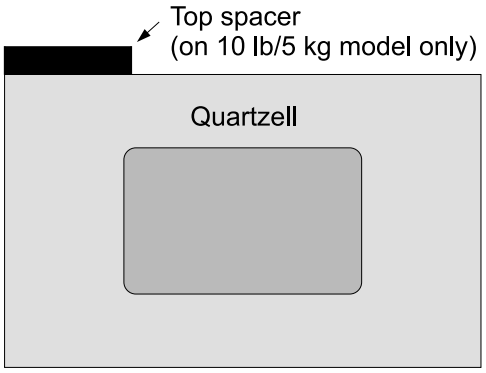


Figure 5
Spacer location

To access the electronics:

❒ 3. Disconnect the display cable from the scale base.

❒ 4. Remove the four screws holding the electronics cover plate to the base and lift off the cover.

To remove the power supply board:

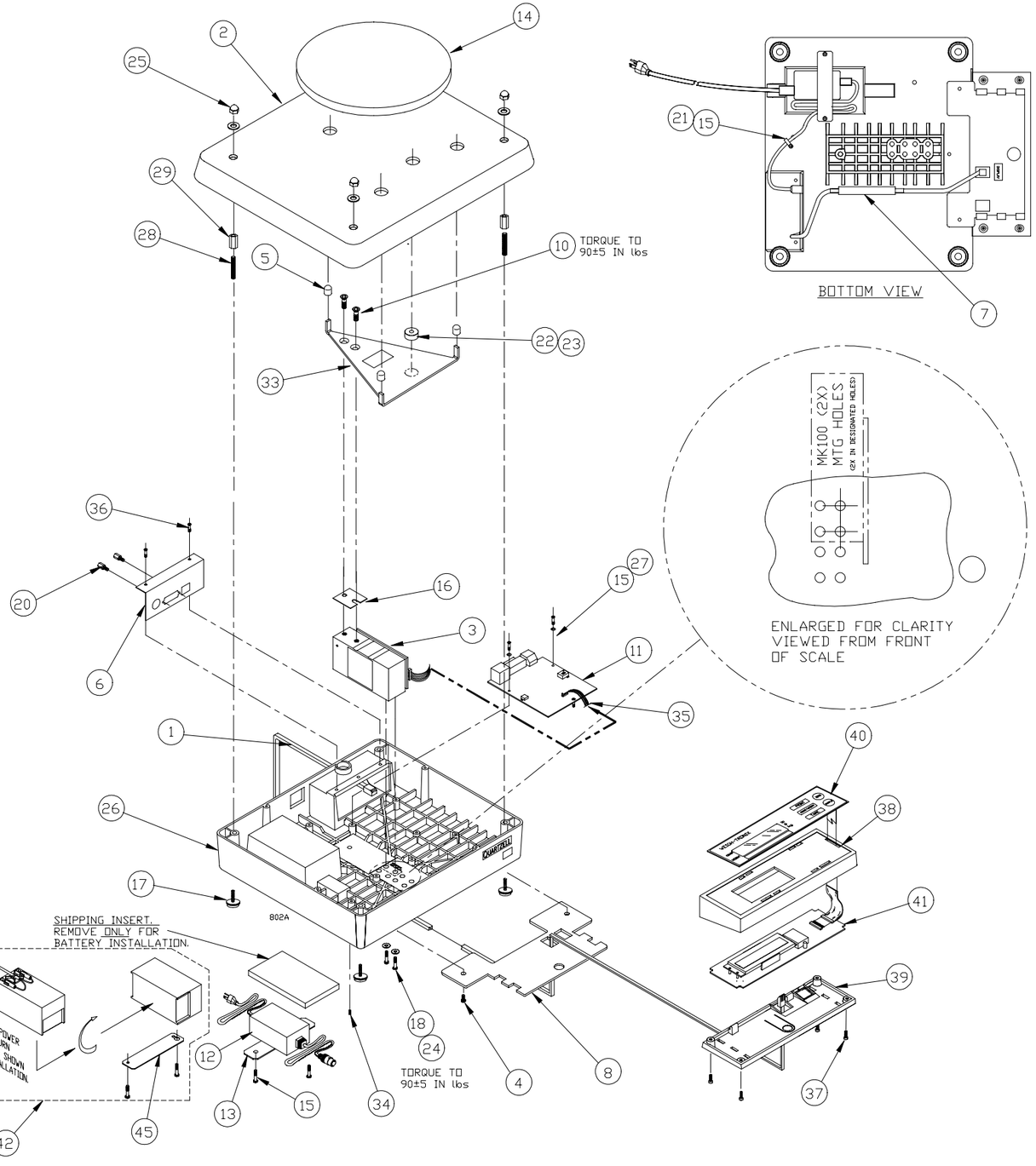
❒ 5. Remove the weight sensor interface cable from the pins on the power supply board.

❒ 6. Remove the screws holding the PC board to the base and lift out the PC board.

PC-802B COUNTING SCALE

10 lb / 5 kg cap. , 12” x 14” BASE

PARTS *AND* ASSEMBLY

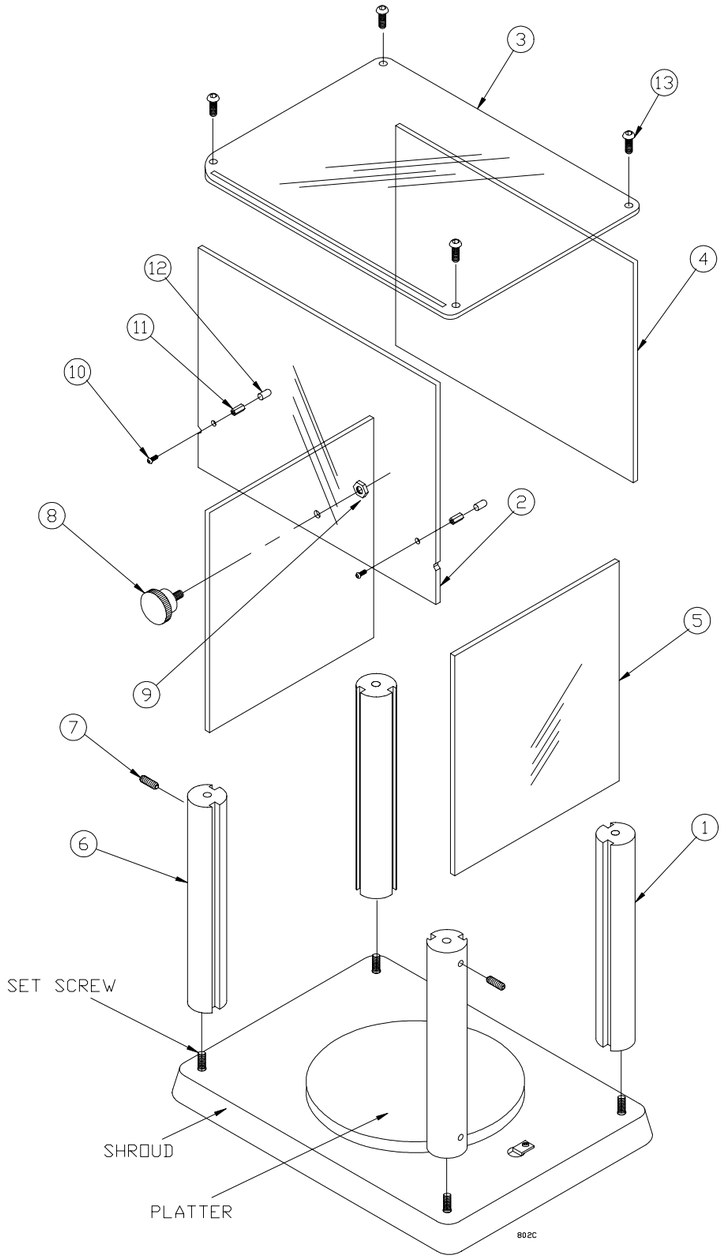


ITEM NO.	DESCRIPTION	W-T P/N	QTY
1	Remote Display Cable Assy	1140-11832	1
2	Shroud (10 lb.)	1076-15929	1
3	Quartzell Assy	7153-15694-05	1
	Quartzell EPROM (not shown)	50705-0078	1
4	Screw, #10-32 x .25"L	1006-09173	2
5	Vinyl Cap	1051-13968	3
6	I/O Connector Mtg Bracket	1067-15693	1
7	PVC Wire Duct	1074-15171-04	1
8	Display Mtg Plate	1069-14869	1
10	Screw, Flat Head, Hex Soc, 1/4-20 X 1.00"L	1018-11594	2
11	Main Interconnect Pc Board	49995-0012	1
12	Pwr Supply, 120vac/14vdc, 0.7 amp	1148-16069	1
	Pwr Supply, 230vac/14vdc, 0.7 amp	1148-16070	1
13	Pwr Supply Mtg Bracket	1067-15647	1
14	Platter	1076-14702	1
15	Screw, #6 x .38"L	1009-05758	6
16	Aluminum Spacer	1043-13977	1
17	Foot Assy	7075-16213	4
18	Capscrew, 1/4 x .1.00"L	1007-02617	2
20	Standoff,m/f #4 x 3/16 HEX x .19"L	1044-01085	2
21	Cable Clamp	1074-00392	1
22	Level Bubble	1083-00095	1
23	Level Bubble Tape	1045-15177	1
24	Flat Washer, 1/4"	1029-00099	2
25	Acorn Nut, #10	1028-16157	4
26	Base	7069-15914-02	1
27	Tooth Washer, #6	1031-00128	3
28	Slotted Stud, 1/4-20 x 2.00"L	1015-14427	4
29	Shroud Spacer	1043-14426	4
33	Loadbridge	1066-13958	1
34	Screw, Locking Hex Socket,	1011-04367	1
35	Cable Assy (Quartzell-to-main)	7140-14118	1
36	Screw,#6-32 x .25"L	1009-10039	2
37	Screw,#6-32 x .38"L	1006-02605	4
38	Display Enclosure, Top	106911065	1
39	Display Enclosure, Bottom	106911066	1
40	Keypad	1163-15687	1
41	Display Pc Board Assy	7405-15834-02	1
42	Battery Kit, (battery,cable,bracket,screws)	50236-0019	1
43	Battery , 12VDC	15553-0074	1
44	Battery Cable Assy	50048-0017	1
45	Battery mtg. Bracket	52034-0011	1
46	Remote Display (complete assy)	7516-15691	1

802sv

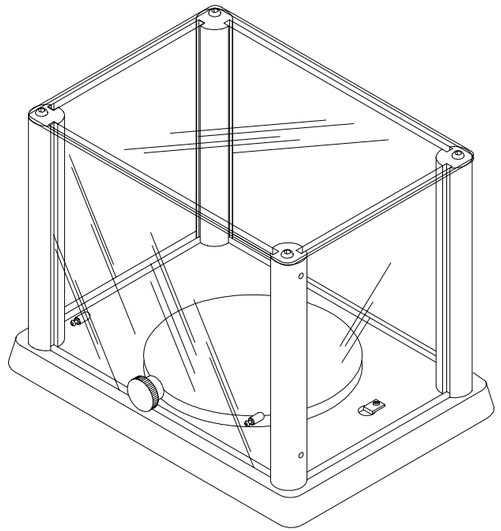
PC-802B COUNTING SCALE

DRAFT SHIELD (10 lb. / 5 kg. 12” x 14” BASE VERSION ONLY)
PARTS *AND* ASSEMBLY



NOTES:

TO INSTALL DRAFT SHIELD, THE HEXNUT AND PLASTIC CAP AT THE CORNERS OF THE SHROUD NEED TO BE REMOVED AND DISCARDED BEFORE ATTACHING CORNER RODS.

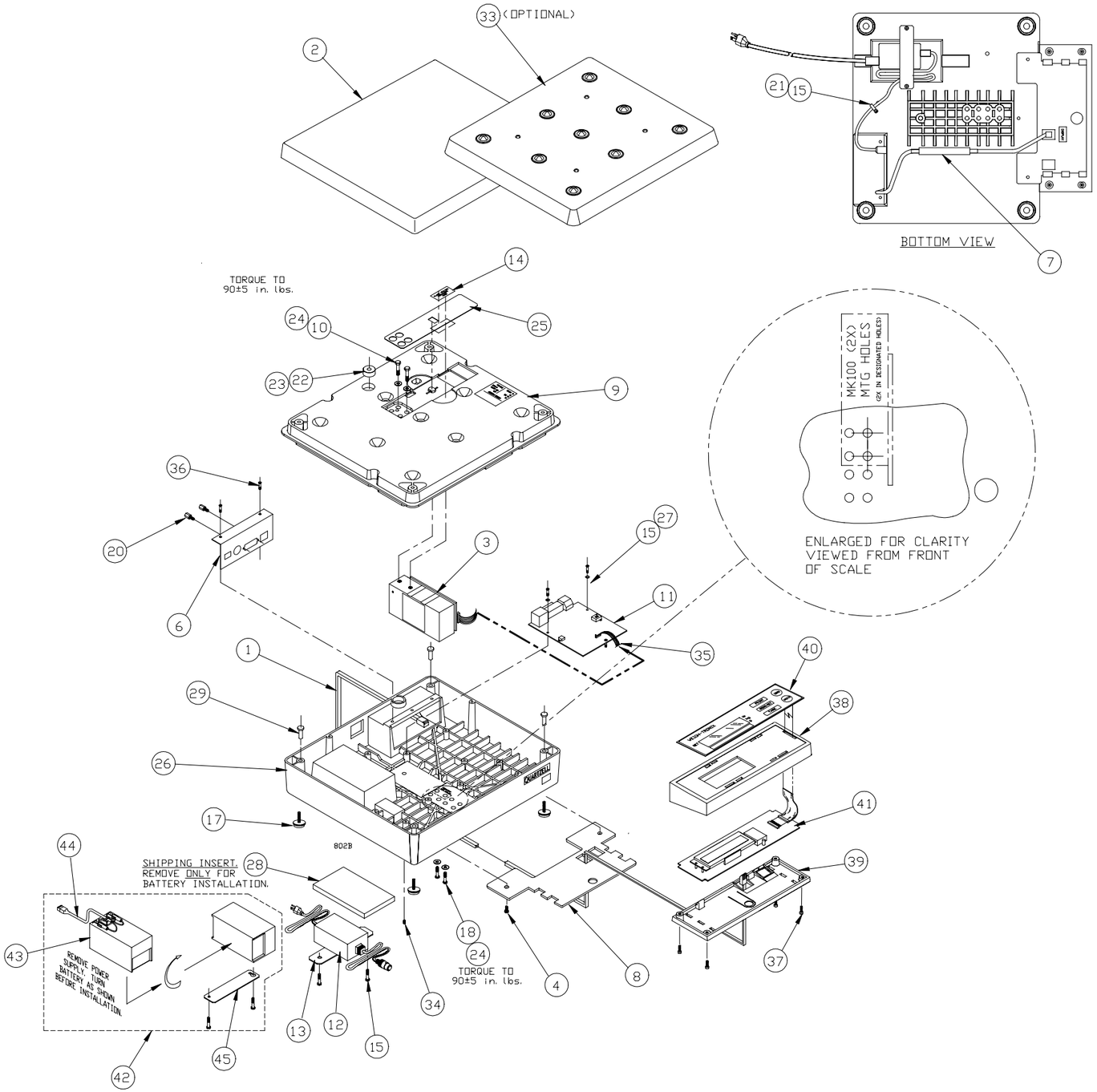


ITEM NO.	DESCRIPTION	W-T P/N	QTY	QTY
1	SUPPORT POST	1058-15413	2	2
2	SHIELD DOOR	1069-15404	1	1
3	SHIELD TOP PANEL	1069-15403	1	1
4	SHIELD REAR PANEL	1069-15406	1	1
5	SHIELD SIDE PANEL	1069-14604	2	2
6	SUPPORT POST w/SIDE HOLE	1058-14424	2	2
7	THREADED SPRING / PLUNGER	1068-14610	2	2
8	KNOB	1091-14144	1	1
9	HEX NUT, #10-32	1020-00132	1	1
10	SCREW, #6-32 x .31” LG	1001-13790	2	2
11	STANDOFF, #6-32 x .31” LG	1044-00121	2	2
12	VINYL CAP	1051-13968	2	2
13	SCREW, .25”-20 x .50” LG	1007-00538	4	8

PC-802B COUNTING SCALE

50 lb / 25 kg , *AND* 100 lb / 50 kg cap. , 12” x 14” BASE

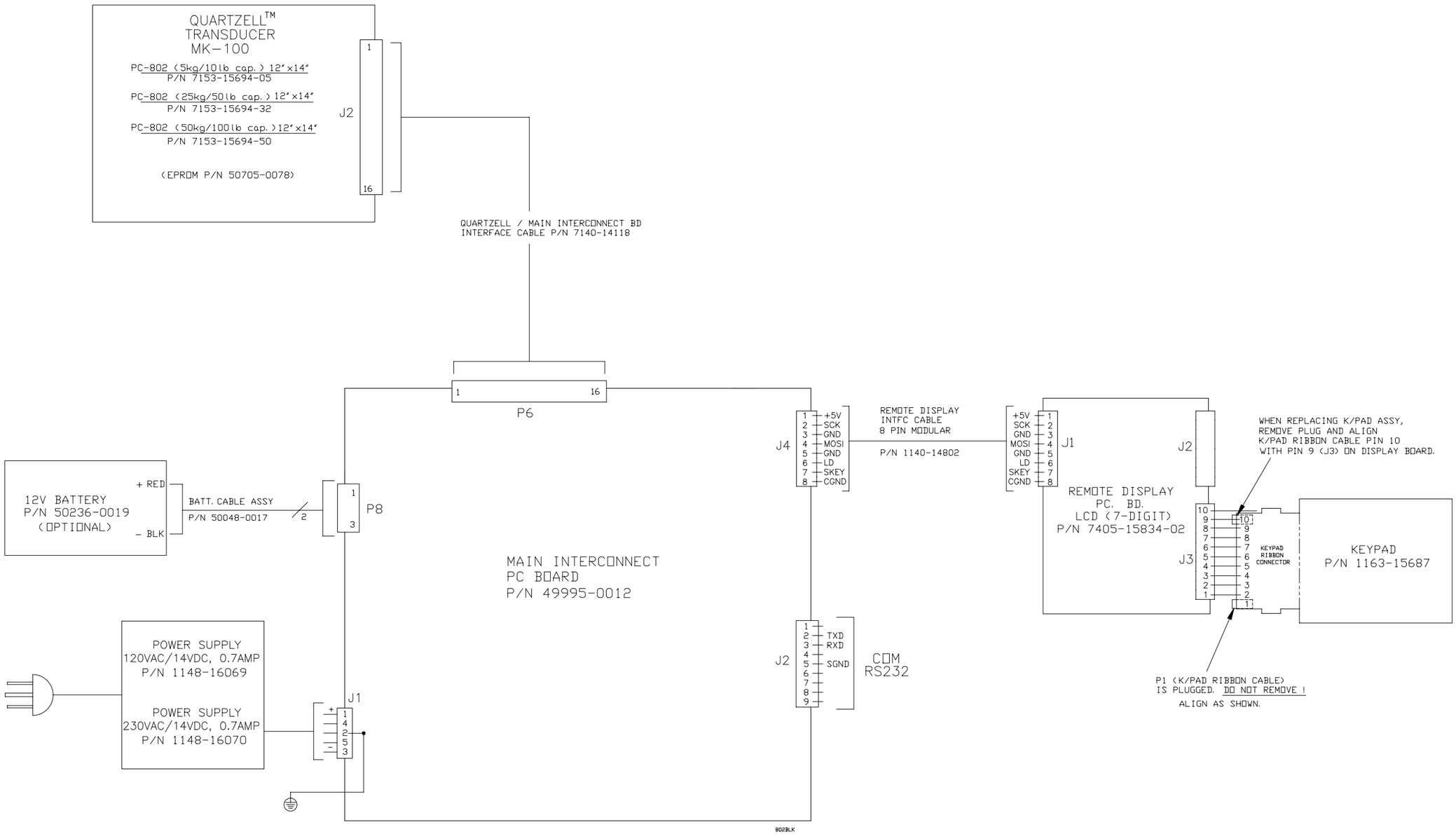
PARTS *AND* ASSEMBLY

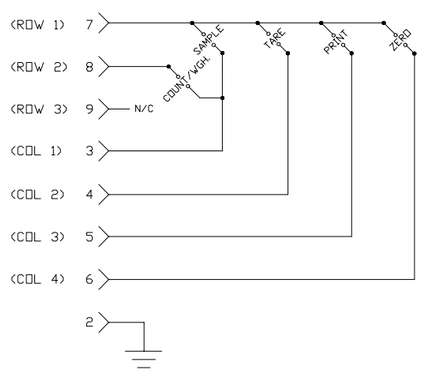


ITEM NO.	DESCRIPTION	W-T P/N	QTY
1	Remote Display Cable Assy	1140-11832	1
2	Shroud (dished)	1076-14741	1
3	Quartzell Assy (50lb / 25kg cap.)	7153-15694-32	1
	Quartzell Assy (100lb / 50kg cap.)	7153-15694-50	1
	Quartzell EPROM (not shown)	50705-0078	
4	Screw, #10-32 x 3/8"L	1006-02039	2
6	I/O Connector Mtg Bracket	1067-15693	1
7	PVC Wire Duct	1074-15171-04	1
8	Display Mtg Plate	1069-14869	1
9	Loadbridge	1066-15993	1
10	Capscrew, Hex, 1/4-20 X 1.00"L	1007-02617	4
11	Main Interconnect Pc Board	7405-15695	1
12	Pwr Supply, 120vac/14vdc, 0.7 amp	1148-16069	1
	Pwr Supply, 230vac/14vdc, 0.7 amp	1148-16070	1
13	Pwr Supply Mtg Bracket	1067-15693	1
14	Sealing Cover Label	1070-60103	1
15	Screw, #6 X .38"L	1009-05758	6
17	Foot Assy	7075-16213	4
19	Ground Spring	1068-07674	2
20	Standoff,m/f #4 x 3/16HEX x .19"L	1044-01085	2
21	Cable Clamp	1074-00392	1
22	Level Bubble	1083-00095	1
23	Adhesive Tape (for bubble)	1045-13049	1
24	Flat Washer, 1/4"	1029-00099	4
25	Access / Security Cover	1069-15766	1
26	Base	7069-15278	1
27	Tooth Washer, #6	1031-00128	3
28	Shipping Block	1084-15131	1
29	Load Stop Pin (for 50lb / 25kg)	1070-60074-32	4
	Load Stop Pin (for100lb / 50kg)	1070-60074-50	4
33	Ball Top Shroud (optional)	7076-15118	1
34	Screw, Locking Hex Socket,	1011-15213	1
35	Cable Assy (Quartzell-to-main)	7140-14118	1
36	Screw,#6-32 x .25"L	1009-10039	2
37	Screw,#6-32 x .38"L	1006-02605	4
38	Display Enclosure, Top	106911065	1
39	Display Enclosure, Bottom	106911066	1
40	Keypad	1163-15687	1
41	Display Pc Board Assy	7405-15834-02	1
42	Battery Kit, (battery,cable,bracket,screws)	50236-0019	1
43	Battery, 12VDC	15553-0074	1
44	Battery Cable Assy	50048-0017	1
45	Battery mtg. Bracket	52034-0011	1
46	Remote Display (complete assy)	7516-15956	1

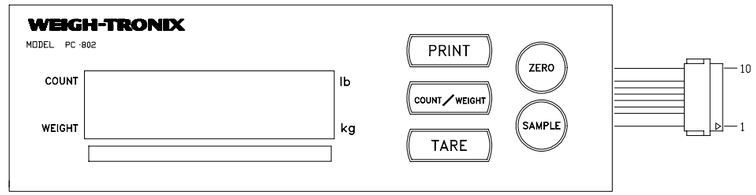
802sv

PC-802B COUNTING SCALE
SYSTEM WIRING BLOCK DIAGRAM

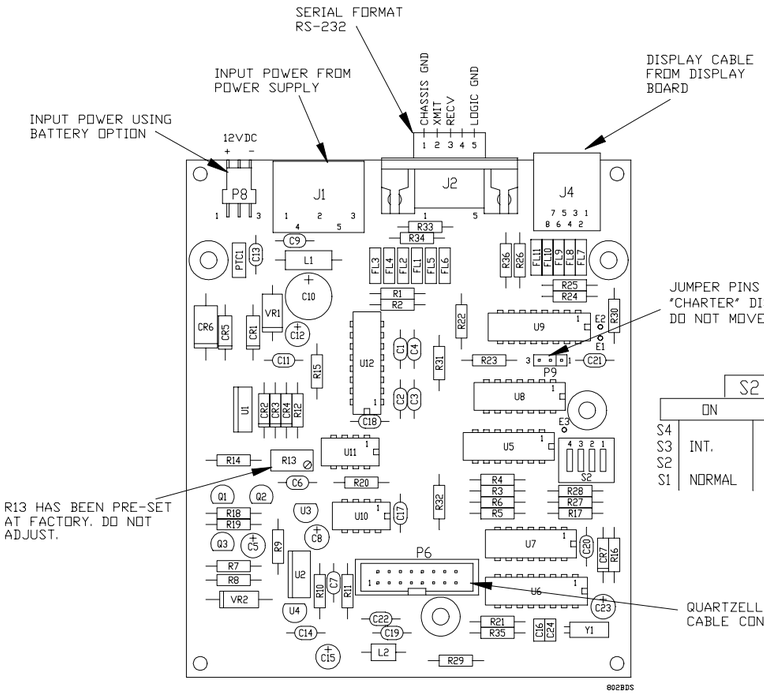




KEYPAD OVERLAY & MATRIX
P/N 1163-15687



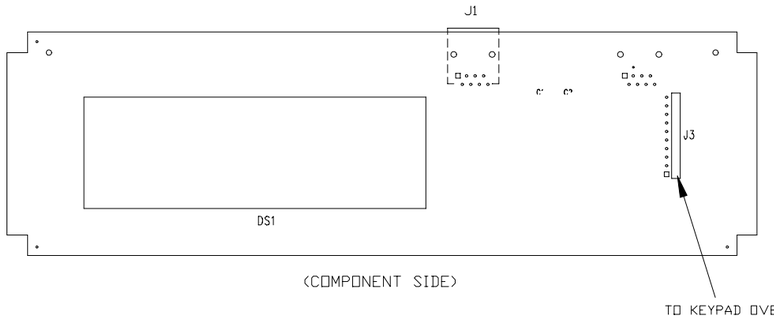
NOTE; WHEN REPLACING DISPLAY BD. OR K/PAD ASSY, REF. SYSTEM DIAGRAM PAGE FOR PROPER K/PAD CABLE CONNECTION



S2

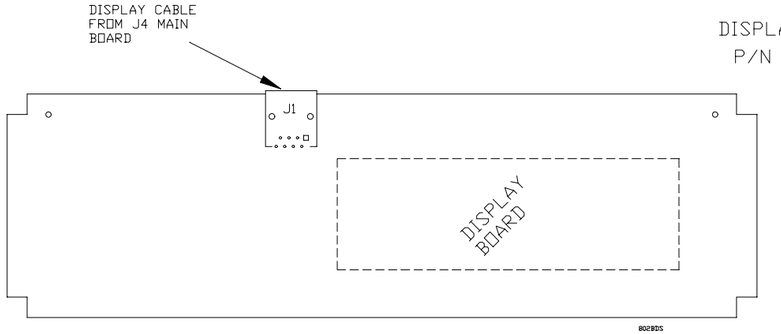
	ON	OFF
S4		N/A
S3	INT.	EXT. KEYPAD
S2		N/A
S1	NORMAL	MENU MODE

MAIN INTERCONNECT PC BOARD
(COMPONENT SIDE)
P/N 49995-0012



(COMPONENT SIDE)

TO KEYPAD OVERLAY



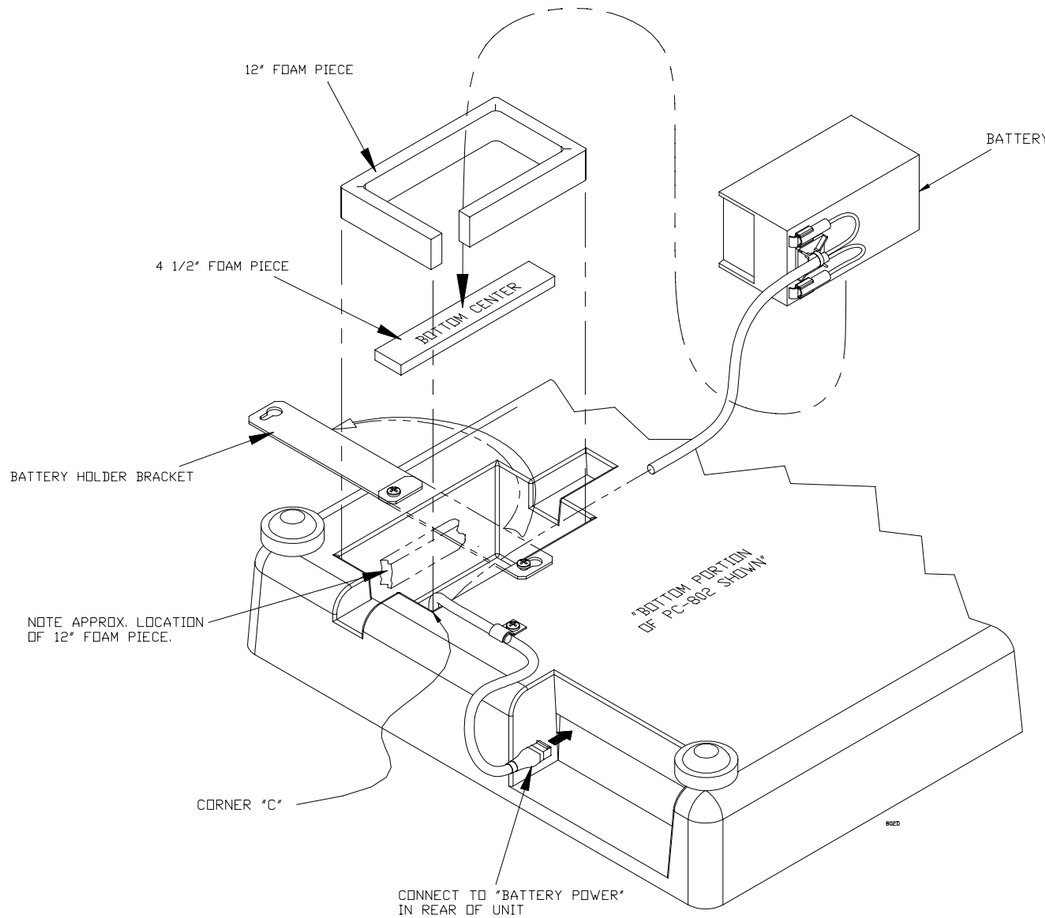
DISPLAY PC BOARD
P/N 7405-15834-02

(BACK SIDE)

PC-802B COUNTING SCALE
BATTERY INSTALLATION
(Battery Kit P/N 29676-0010)

DIRECTIONS FOR INSTALLING PC-802 BATTERY KIT:

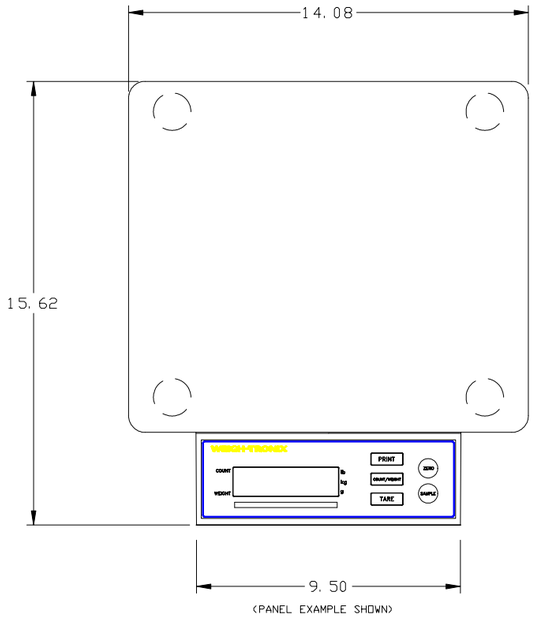
1. REMOVE BRACKET HOLDING INLINE 15 VDC POWER SUPPLY IN PLACE.
2. REMOVE INLINE POWER SUPPLY AND FOAM SHIPPING PAD FROM UNDER THE POWER SUPPLY.
3. CUT A 4.5" LENGTH OF FOAM STRIP FROM THE 16.5" PIECE OF FOAM INCLUDED IN KIT.
4. PLACE THE 4.5" PIECE OF FOAM CENTERED TO BOTTOM OF OPENING AS SHOWN.
5. PLACE THE 12" PIECE OF FOAM ON THE SIDE OF OPENING STARTING AT CORNER "C" (GOING CLOCKWISE) APPROXIMATELY HALF WAY DOWN IN THE OPENING.
6. INSERT BATTERY AS SHOWN.
7. INSTALL HOLDER BRACKET AS SHOWN.
8. CONNECT BATTERY CABLE TO "BATTERY POWER" ON BACK OF SCALE.
9. IF POWER SUPPLY REMAINS CONNECTED TO PC-802, IT PROVIDES INTERNAL RECHARGING OF BATTERY AND POWERS THE UNIT SIMULTANEOUSLY. A TOTALLY DISCHARGED BATTERY WILL BE FULLY CHARGED IN 8 HOURS MAXIMUM TIME.

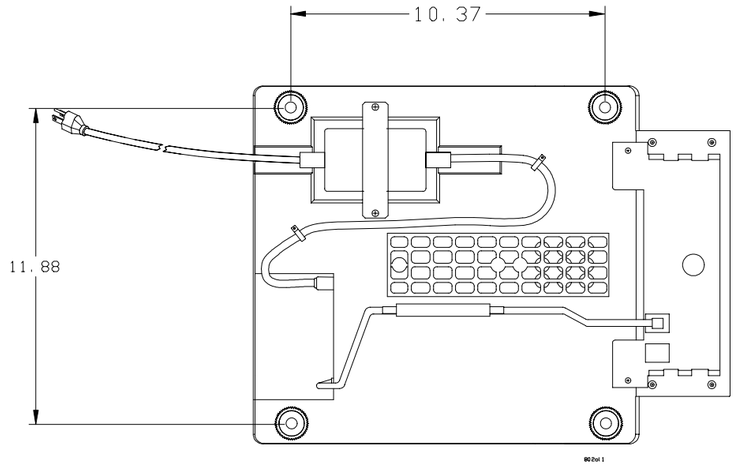


PC-802B COUNTING SCALE

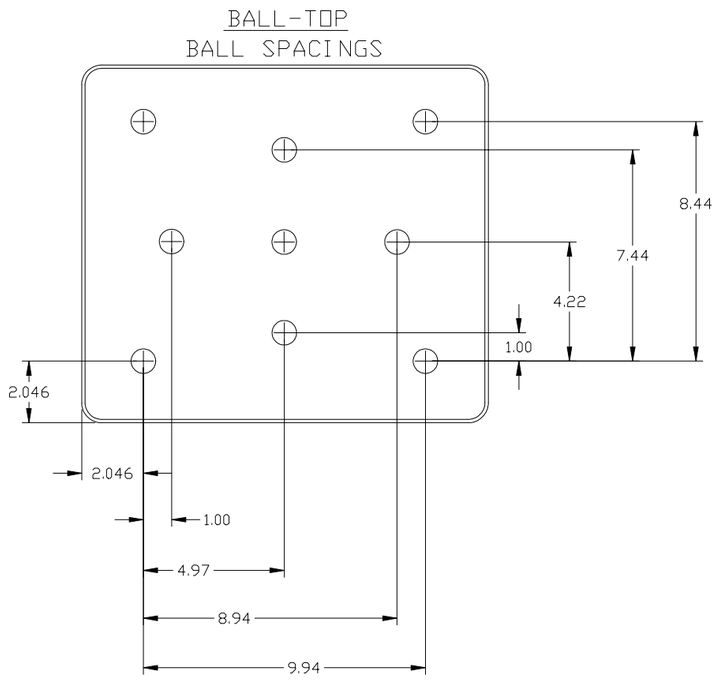
SCALES *AND* BASES

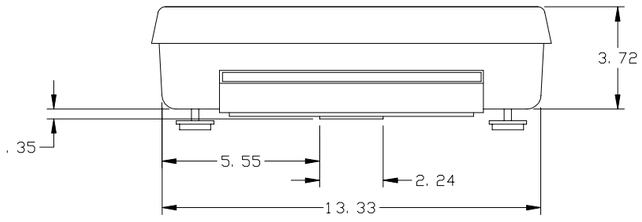
DIMENSIONAL OUTLINE *FOR* 12” x 14” BASE

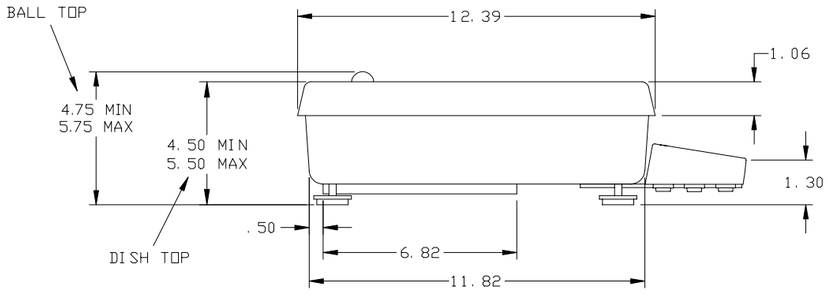




BOTTOM VIEW



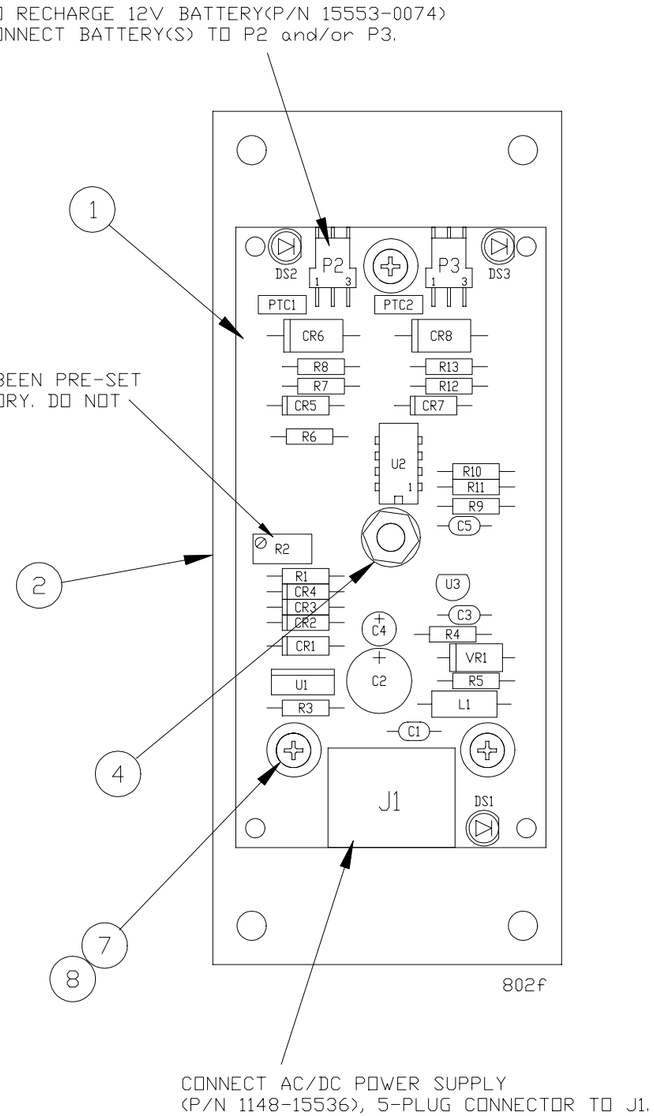


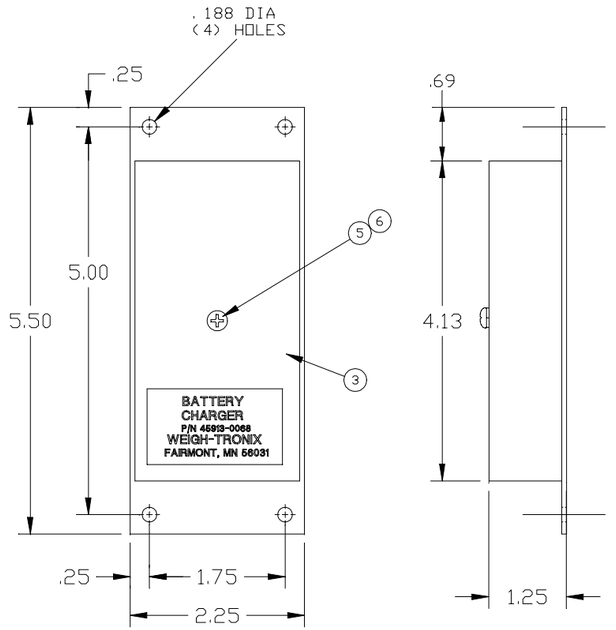


PC-802B COUNTING SCALE

BATTERY CHARGER *(optional)*

PARTS LIST

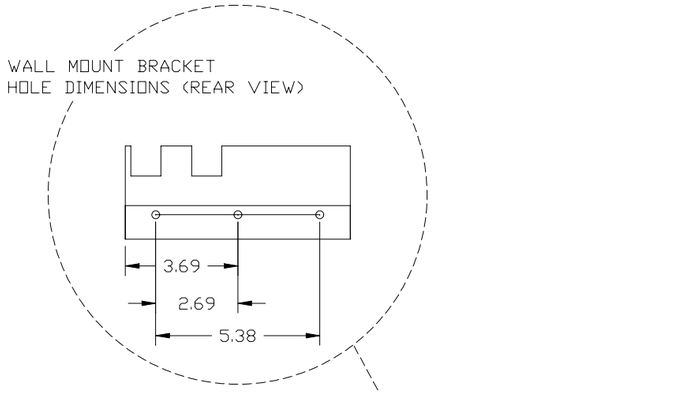


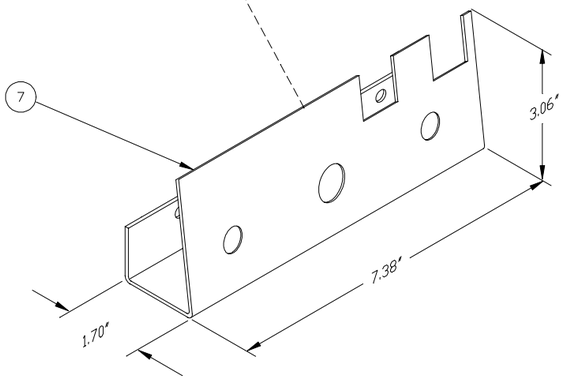


ITEM NO.	DESCRIPTION	W-T P/N	QTY
1	Battery Charger PC BD Assy	50093-0011	1
2	Base Plate Assy	45911-0045	1
3	Grommet	15347-0018	1
4	Standoff, M/Fem, #6 x 7/8" L	15437-0472	1
5	Screw,#6 x 3/8" L	14473-0249	1
6	Lock Washer, #6	14474-0032	1
7	Screw,#4 x 1/4" L	14473-0108	3
8	Lock Washer,	14474-0024	3

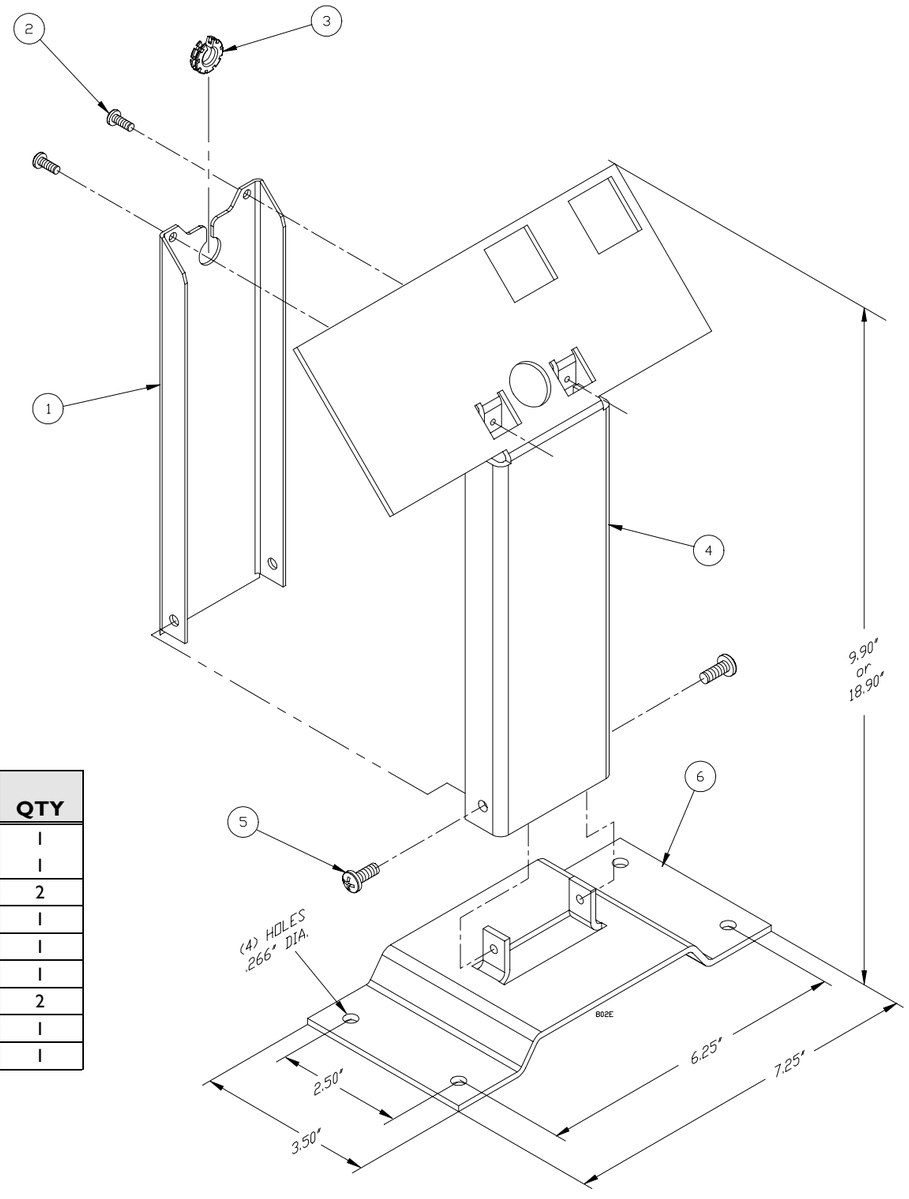
PC-802B COUNTING SCALE

WALL-MOUNT BRACKET AND REMOTE TOWER (optional)
PARTS AND ASSEMBLY





ITEM NO.	DESCRIPTION	W-T P/N	QTY
1	Tower Support Channel	49658-0010	1
	Tower Support Channel	49658-0028	1
2	Screw,#6 x 3/8" L	14473-0249	2
3	Grommet	15347-0018	1
4	Tower Channel (9")	49659-0019	1
	Tower Channel (18")	49659-0027	1
5	Screw,#10 x ½" L	14473-0496	2
6	Tower Base	50085-0011	1
7	Wall-Mount Display Bracket	49599-0012	1



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