PC Series

PRICE COMPUTING SCALE

TECHNICAL MANUAL (v0.54l)

Brecknell

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1. PRECAUTIONS

- Read this manual before operating or servicing this equipment.
- Follow these instructions carefully.
- Disconnect this equipment from the power source before cleaning of performing maintenance.
- Keep the manual for your future reference.
- Avoid extremes of temperature. Do not place in direct sunlight or near air conditioning vents.
- Avoid unsuitable tables. The tables or floor must be rigid and not vibrate. Do not place near vibrating machinery.
- Avoid unstable power sources. Do not use near large users of electricity such as welding equipment or large motors.
- Avoid high humidity that might cause condensation. Avoid direct contact with water. Do not spray or immerse the scales in water.
- Avoid air movement such as from fans or opening doors. Do not place near open windows.
- Do not stack material on the scales when they are not in use.
- Keep the scales clean.

2. INSTALLATION

Unpacking

Carefully take the balance out of its package, make it sure its not damaged and all accessories are included.

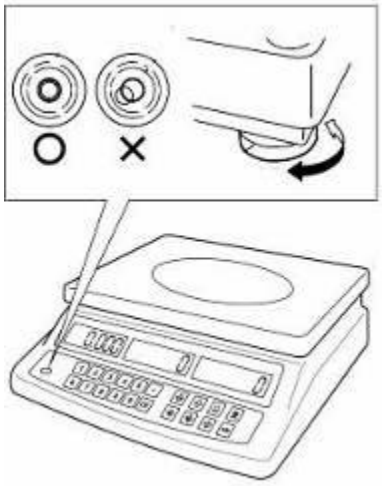
Accessories,

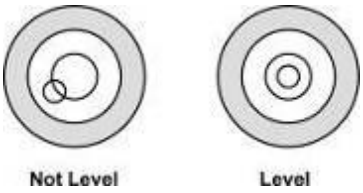
1. Balance
2. Adaptor
3. Stainless steel pan
4. Product manual

Keep the packaging material for your future use.

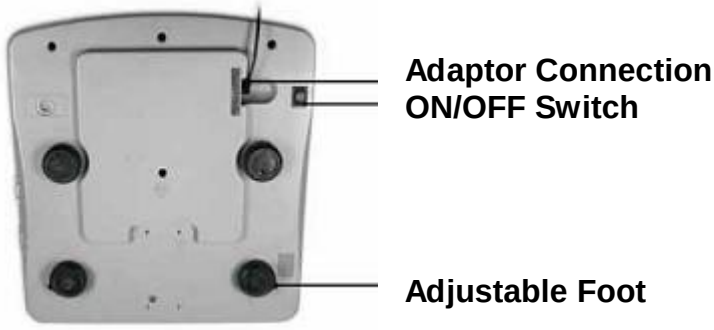
Level Adjusting

Place the scale on a table.
Check the water mark. If, bubble is not centre adjust the leveling feet until reach centre. Check the level when you change the location.





Connect Adaptor



- To charge the battery insert the adaptor pin to jack. Adaptor simply plug into the mains power. The scale no needs to be turned on.
- The battery should be charged for 12 hours for full capacity.
- Right side of the display there is an LED to indicate the status of battery charging. When the scale is plugged into the mains power the internal battery will be recharged. If the LED is green, the battery has a full charge. If it is red, the battery is nearly discharged and if yellow, the battery is being charged.
- Do not use any other type of power adaptor than the one supplied with the scale.
- Verify that the AC power socket outlet is properly protected.

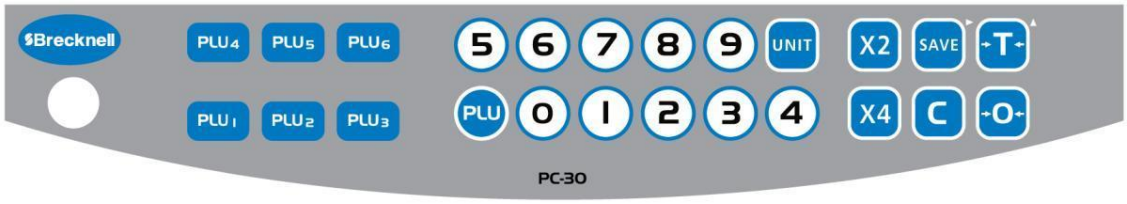
Note: Please charge the battery before using the scale for the first time.

3. NAMES AND FUNCTIONS

OVERALL VIEW

PC Series

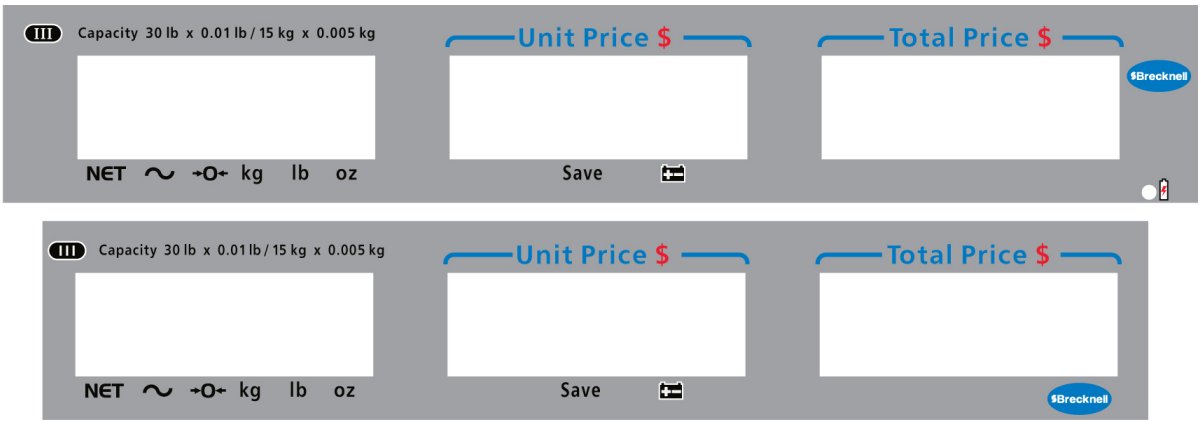
Key board and overlay



Keys	Press this key to
0 1 2 3 4 5 6 7 8 9	Numeric Keys, enter unit price / PLU
C	Clear incorrect entries and error conditions
O	Returns the display to zero.

-T-	Subtracts the tare values, change to gross to net mode and save parameter settings.
SAVE	Enter to auto clear mode and In parameter settings used to change the menu.
X2	Set to the unit price two times.
X4	Set to the unit price four times.
UNIT	Used to change unit (kg/lb/oz/lb.oz).
PLU	Used to store or recall unit price.
PLU1 PLU2 PLU3 PLU4 PLU5 PLU6	6 direct PLU

Display Overlay



Display Symbols

	Battery indicator. When it's illuminated, battery should be recharge
Net	Net indicator
~	Unstable indicator. When it isn't illuminated, the scale is stable
→0←	Zero indicator. When it's illuminated, the scale is in Zero point
Kg/lb/oz	Unit change(kg/lb/oz)
SAVE	Save Indicator
LED	Battery charging indicator

4. OPERATION

Initial Start-Up

Warm-up time of 15 minutes stabilizes the measured values after switching on.

1. **Power ON/OFF**
   Power switch is located below the right side of the scale. Switch on the scale by pressing on/off. The display is switched on and the self test is started. If you want to switch off press again the key.

2. **Zero**
   Environmental conditions can lead to the balance exactly zero in spite of the pan not taking any strain. However, you can set the display of your balance to zero any time by pressing key and therefore ensure that the weighing starts at zero.

3. **Tare**
   The weight of any container can be tared by pressing key, so that with subsequent weighing the net weight of the object being weighed is always displayed.

- Load weight on the pan.
- Press key. Zero is displayed, and tare is subtracted.
- Remove weight from the platform. Tared weight is displayed. It can set only one tare value. It can display with a minus value.
- Press key. Zero is displayed, tare weight is cleared.

4. **Unit Price Setting**

	Weight	Unit Price	Total Price
• Make sure platform is empty and display is zero.	0.00	0.00	0.00
• Place goods to be weighed on the platform.	1.50	0.00	0.00
• Enter the unit price by pressing numeric keys. Total price is calculated automatically.	1.50	5.00	7.50

5. Change unit

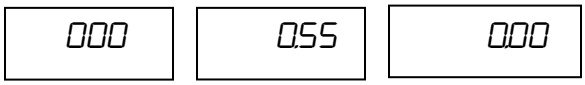
By pressing UNIT key can change the weighing unit to **kg / lb / oz**.
When change the unit, unit indicator will be shown in unit price display.

6. Unit Price Memory

PC can store 10 unit price values. It can select from 0 to 9 numeric keys.

Direct PLU

- Enter the unit price.

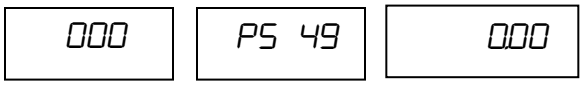


- Then press PLU1 ~ PLU6 three seconds, display will show

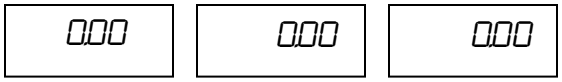
Unit price will be saved.

Indirect PLU

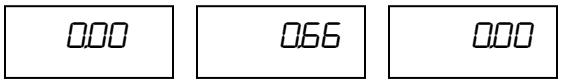
- By press PLU then choose the PLU number(1~50).



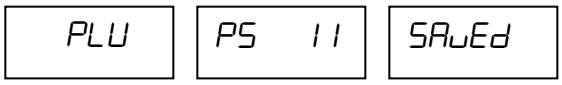
- After one second display will show



- Enter the unit price.



Press PLU key three seconds display will show.

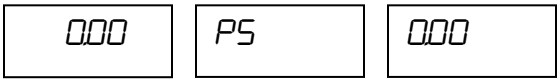


Load the unit price

Load the direct PLU, only press PLU1~PLU6, unit price will be show.

If you want to the indirect PLU unit,

- Press PLU , display will be shown



- Enter the PLU number.

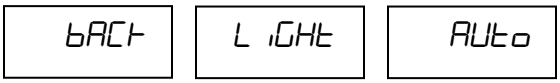
- Display will be shown, which unit price is stored.
- Place the load on the platform, total price will be calculate automatically.

7. Back light

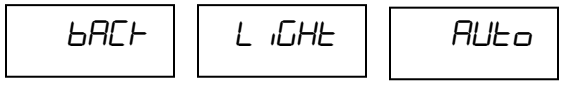
PC has back light option.

By pressing SAVE three seconds can select the options.

Press SAVE , display will be shown



- Backlight will be turned on, when start to use or when weight is not in zero

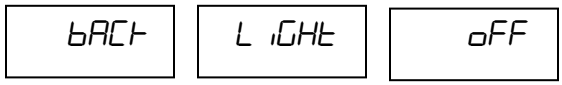


Press SAVE to change option

- Backlight will be turned always on.

Press SAVE to change option

- Backlight will be turned off



8. Automatic Unit Price Clear

PC can set automatic unit price clear.

Press SAVE key to save indicator turn on or off.

When save indicator on, unit price appear after return to zero.
When save indicator off, unit price will be clear automatically.

9. Percentage Pre-Tare

Enter the percentage (0~99) value by pressing numeric keys

For Eg: To set 50 percent, press numeric keys are (5) key and (0) key three times to show display,

000	50.00	0.00

Press and hold (-T-) key three seconds for to save the value, and then release the key, display will be show

0.00	0.00	0.00

Place the goods (15.00lb) on the pan, display will be show the percentage and " NET " indicator will be on

7.50	0.00	0.00

If want to back to normal weighing mode, press the (-T-) key 3 seconds when the display on zero.

5. PARAMETER

PARAMETER BLOCK

CAL	F0	Set Calibration
CAL	F 1	Set Resolution
CAL	F2	Set Unit
CAL	F3	Set Capacity
CAL	F4	N.A
CAL	F5	Set Price Decimal
CAL	F6	Set Initial Zero
CAL	F7	Set re-zero
CAL	F8	A/D Counts
CAL	F9	Set Country
CAL	F 10	Set Percentage tare on/off
CAL	F 11	Set Gravity
CAL	F 12	Set Total Price division
CAL	F 13	Set X2/X4 keys function on/off
CAL	F 14	Set unit Key function on/off

SETTING PARAMETER

Enter the Menu

- Turn on the scale. Press [-T-] during that start up.
  Display will show **"P in"** briefly PIN is activated. Press the PIN number to get into the parameter menu.
- The default PIN number is "0000"
- Press numeric key 0 four times , display will be shown Pn - - - -

Enter to Selected Menu

- Press [-T-] , it can confirm which will be shown displayed.

Select the Menu

- Press [SAVE] . It can choose menu block one by one.

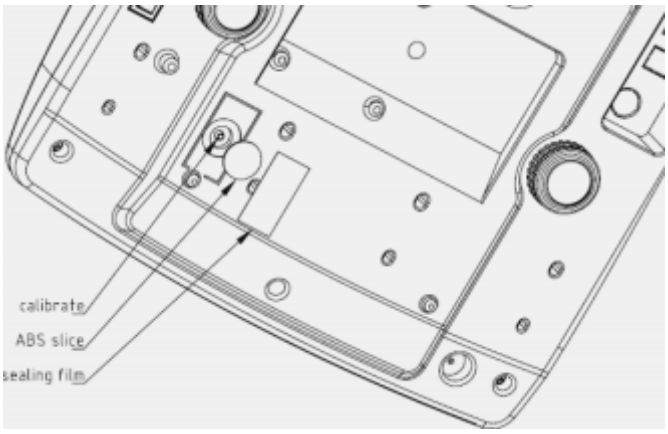
Return to Weighing Mode

- Press [-O-] escape from the menu and exit to weighing mode

Active Parameter

- **Press CAL switch to active parameter**

If want to change any parameter want to press CAL switch



PARAMETER MENU BLOCK

DISPLAY	DESCRIPTION	
F0 CAL	Calibration	
F1 rES	3000	Set external resolution
	6000	
	dUAL rAnGE	
F2	PoUndS	Set Unit.
	t iLoS	
F3 CAPA	6	Set Scale Capacity
	15	
	30	
F4	No Function	
F5 Po int	Set Price Decimal Point	
F6 in it 2Ero	Set Initial Zero	
F7 rE 2Ero	Set re-zero.	
F8 A-d CoUntS	A/D Counts	
F9 CntrY SEt	Set country(USA/Europe/Australia/Canada)	
F10 PErCnt	Set percentage tare on/off.	
F11 Gru rAtE	Set gravity.	
F12 totAL Pr iCE	Set total price division.	
F13 tEY 1234	Set X2/X4 keys function on/off.	
F14 tEY Un it	Set unit key function on/off.	

CALIBRATION F0 CAL

- Press to confirm for calibration, display will be show UnLoAd
- Remove the goods from the platform.
- Press to confirm when display gets stable.
- Display will be show **,** LoAd **XX**
- If necessary change the calibration weight value by using key and place the calibration weight on the platform.
- Press to confirm when display gets stable, finished the calibration and display will come to F0 CAL
- If showed any error, try to do again the calibration.

6. ERROR CODES

Error Display	Description	Possible Causes
Err 4	Zero setting error	Out of the auto zero setting range. (4% of max) make sure platform is empty and re try again. Do the calibration
Err 5	Key board error	Improper operation. Check the key board cable, connector and keys.
Err 6	A/D out of range	If overloaded, remove the weight make sure platform is installed proper. Check load cell and PCB

7. SPECIFICATIONS

MODEL	**PC**	
Display	Front and Rear: 20mm LCD Display with back Light	
Capacity	30lb	60lb
Readability	0.01lb	0.02lb
Tare Range	-30lb	-60lb
Minimum	0.2lb	0.4lb
Max. Divisions	3000e	
Weighing Units	kg / lb / oz / lb.oz	
Housing	ABC Plastic and Stainless Steel platform	
Operation Temperature	-10℃ - 40℃ / 14℉ - 104℉	
Power	Ac Adaptor 12V/500mA , Battery 6V/4Ah	
Keypad	24 keys	
Dimensions (WxDxH)	320 x 330 x 125mm / 12.6 x 12.9 x 4.9”	
Gross Weight	5.1kg/ 11.2lb	6kg/ 13.2lb
ADC	Sigma Delta	
ADC Update	≤1/10 second	