

C3225

Checkweighing scale



User Guide

MULTI-LINGUAL

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Warnings

Safe installation

CAUTION: The mains lead must be connected to a supply outlet with a protective earth contact. The electrical supply at the socket outlet must provide over current protection of an appropriate rating.



Pluggable equipment must be installed near an easily accessible socket outlet. Permanently connected equipment must have a readily accessible disconnect device incorporated in the fixed wiring.



For your protection all mains (110V or 230V) equipment used out of doors or in wet or damp conditions should be supplied from a correctly fused source and protected by an approved RCD to BS7071 or BS7288 or BS4293. **IF IN DOUBT SEEK ADVICE FROM A QUALIFIED ELECTRICIAN.**

Safe use



To avoid the possibility of electric shock or damage to the machine, always switch off the machine and isolate from the power supply before carrying out any routine maintenance.

Cleaning the machine

CAUTION: Harsh abrasives, solvents, scouring cleaners and alkaline cleaning solutions, such as washing soda, should not be used especially on the display windows. Under no circumstances should you attempt to wipe the inside of the machine.

The outside of standard products may be wiped down with a clean cloth moistened with water containing a small amount of washing up liquid. The outside of products waterproofed to IP65, IP66 and IP67 may be washed down with water containing a small amount of a proprietary detergent.



Declaration of Conformity

Manufacturer	Salter Brecknell
Type	C3225

corresponds to the requirements of the following EC directives:

EMC Directive	EMC 89/336/EEC
Low Voltage Directive	LVD 73/23/EEC

The applicable harmonised standards are:	EN60950, EN50081-1, EN50082-1
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A copy of the original signed declaration for this instrument is available from:

Salter Brecknell Weighing, P.O. Box 9533, Smethwick, West Midlands, B66 2TE

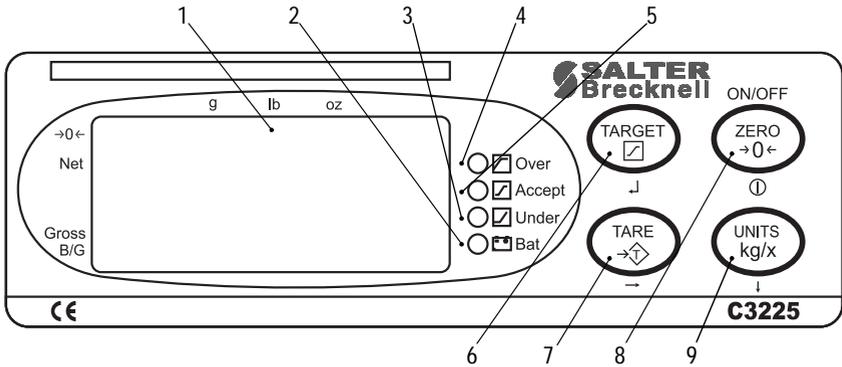
Electromagnetic Compatibility Statement for North America

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions manual, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.



1 Display and keypad



1. Display
2. Low battery LED
3. Under weight LED
4. Over weight LED
5. Weight in range LED
6. Target Key
7. Tare Key
8. On/off / Zero key
9. Units select key

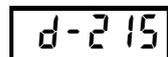
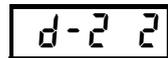
2 Latitude compensation

The scale automatically compensates for variance in the earth's gravitational pull, at different locations around the world.

When the scale is powered up for the **first time**, you are required to enter a latitude band for your location. The scale can then compensate accordingly.

At initial power up the scale will show.

Example displays



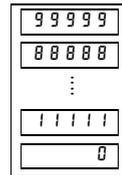
1. Press 

To cycle through the available zones.

Note: See 'Appendix A' - 'Latitude compensation maps'.

2. Press  to accept.

The scale will then restart.



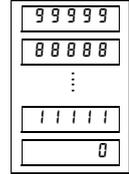
3 Basic operation

3.1 Power on/Power off

To switch the scale ON



Example displays



To switch the scale OFF



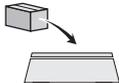
Press and hold for 5 seconds.

Note: This function can also be performed with the foot switch, see "Foot pedal operation" on page 30.

3.2 Weighing

Basic weighing

1. Switch on the scale.
2. Apply commodity.



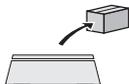
Example displays



3. Take reading.



4. Remove commodity.



Selecting units

Press 

To cycle between g, lb and oz.

Zeroing the scale

Press 

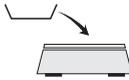
3.3 Tare

1. Ensure scale reads zero, press zero if necessary.

Example displays



2. Apply container.



3. Press tare.



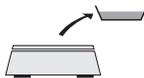
4. Apply commodity.



5. Take reading.



6. Remove commodity and container.



7. Press tare to cancel.



Note: This function can also be performed with the foot switch, see “Foot pedal operation” on page 30.

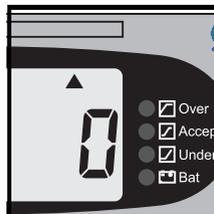
3.4 Check weighing

1. Switch on scale. See 3.1 - 'Power on/Power off'.

Example displays

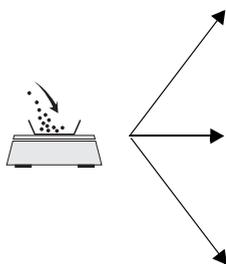


2. Press target

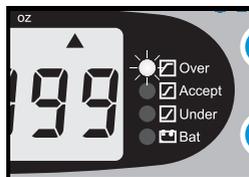


To toggle between checkweigh/non checkweigh modes.

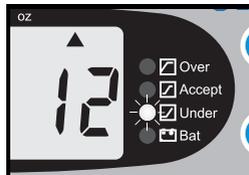
3. If required, apply container and tare. See 3.3 - 'Tare'.
4. Gradually apply commodity, whilst checking LED indicators.



Weight over limit



Weight under limit



Weight within limits



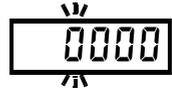
Note: In addition to the above LEDs, there is an audible tone to indicate weight in range.

3.5 Setting checkweigh limits

1. Press and hold target.

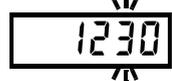
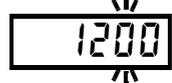
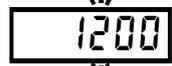
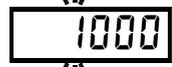


Example displays



Set upper limit

2. Press the tare key to cycle through the display digits, press units to increment the value.



3. Press target to accept.



4. Set lower check weigh limit in the same way as shown in steps to 3.
5. The Scale will then return to checkweigh / normal weighing mode, as appropriate.

Note: *The units used to set the upper and lower checkweigh limits, are the same as those used in normal weigh mode. See “Selecting units” on page 8.*

4 Main configuration menu

4.1 Overview

The following options are available from the main configuration menu:

Function	Description	Options
CAL	Calibration	See "CAL - Calibration" on page 15
g	Gram mode	On Off
oz	Ounce mode	On Off
lb	Pound mode	ON Off
WT	Calibration weight	3kg 6kg 15kg 6lb 12lb 30lb
GRES	Gram resolution	0.5 1 2 5
IRES	Pound resolution	0.01 0.005 0.002 0.001
DEF	Default settings	Yes No
TRADE	Sets for legal trade	Yes No
CAP	Default capacity	3kg 6kg 15kg

4.2 Navigating the configuration menu

To access configuration mode



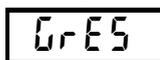
Press and hold for 5 seconds.

Example displays



To navigate configuration mode

1. Press tare to cycle through functions.



2. Press units to access function.



3. Press tare to cycle through options.



4. Press Target to accept and proceed.



4.3 Configuration options

CAL - Calibration

1. Enter configuration mode.



Press and hold for 5 seconds.

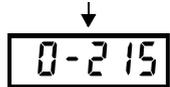
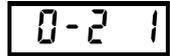
Example displays



2. Press units key to start calibration process.



3. Select origin zone.



Note: The origin zone represents the latitude of the location where the scale is being calibrated. See 'Appendix A' - 'Latitude compensation maps'.

4. Press target to accept



Note: The value displayed is the count value from the scale's load cell.

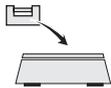
5. Press zero/on/off.



Example displays



6. Apply appropriate calibration weight.



7. Press zero/on/off key.



8. Select the d-zone.



Note: The d-zone represents the latitude of the location where the scale will be used. See 'Appendix A' - 'Latitude compensation maps'. If the d-zone is not known select '0'. The d-zone will then need to be set the next time the scale is switched on. See "Latitude compensation" on page 6.

9. Press target to accept.



The scale will then display as shown for a few seconds before returning to normal operation.

g - Gram mode

To enable or disable grams, as an available weighing unit.

1. Enter configuration mode.

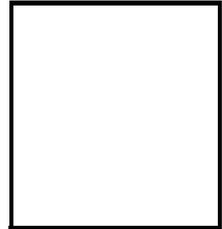


Press and hold for 5 seconds.

Example displays



2. Select gram mode.



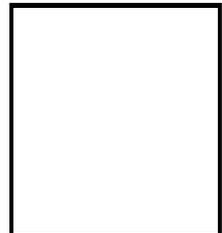
3. Press units to access function.



4. Press tare to cycle through options.



5. Press target to accept and proceed.



oz - Ounce mode

To enable or disable ounces, as an available weighing unit.

1. Enter configuration mode.



Press and hold for 5 seconds.

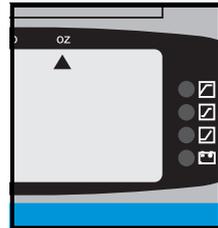
Example displays



2. Select ounce mode.



3. See “g - Gram mode” on page 17 for selection of ‘On/Off’.



lb - Pound mode

To enable or disable pounds, as an available weighing unit.

1. Enter configuration mode.

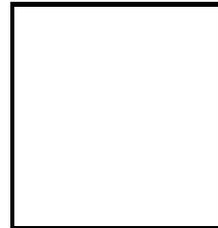


Press and hold for 5 seconds.

2. Select pound mode.



3. See “g - Gram mode” on page 17 for selection of ‘On/Off’.



WT - Calibration weight

To set the valid calibration weight.

1. Enter configuration mode.



Press and hold for 5 seconds.

Example displays



2. Select calibration weight.



3. Press units to access function.



4. Press tare to cycle through options.



5. Press target to accept and proceed.



GRES - Gram display division

To set the displayed resolution when weighing in grams.

1. Enter configuration mode.

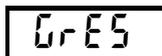


Press and hold for 5 seconds.

Example displays



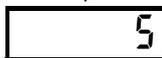
2. Select GRES mode.



3. Press units to access function.



4. Press tare to cycle through options.



5. Press target to accept and proceed.



IRES - Pound display division

To set the displayed resolution when weighing in pounds.

1. Enter configuration mode.



Press and hold for 5 seconds.

Example displays



2. Select IRES mode.



3. Press units to access function.



4. Press tare to cycle through options.



5. Press target to accept and proceed.



DEF - Default settings

To return the scale to its factory default settings.

Example displays



For information on navigating and selecting configuration options see “Navigating the configuration menu” on page 14.

Factory default settings

Capacity	Setting	Default setting	Other Options
3kg	UNITS	g- ON lb- ON oz- ON	N/A
	WT	3kg or 6lb	N/A
	GRES	0.5g	1g
	IRES	0.001lb	0.002lb
	TRAD	NO	YES
	CAP	3	Not user selectable
6kg	UNITS	g- ON lb- ON oz- ON	N/A
	WT	6kg or 12lb	N/A
	GRES	1g	2g
	IRES	0.002lb	0.005lb
	TRAD	NO	YES
	CAP	6	Not user selectable

Capacity	Setting	Default setting	Other Options
15kg	UNITS	g- ON lb- ON oz- ON	N/A
	WT	15kg or 30lb	N/A
	GRES	2g	5g
	IRES	0.005lb	0.01lb
	TRAD	NO	YES
	CAP	15	Not user selectable

TRAD - Set to trade legal

To set the scale as legal for trade, and prevent alterations to the configuration.

For information on navigating and selecting configuration options see "Navigating the configuration menu" on page 14.

Example displays



CAUTION: Setting the scale to trade legal will lock out all configuration options. Configuration will no longer be possible from the keypad.

CAP - Capacity

CAUTION: Qualified service persons only. Use of this option may render the scale unable to weigh.



Note: *This option is only available on European machines.*

END - Exit main configuration menu

To save and exit from the configuration and return to normal operating mode.

1. Enter configuration mode.



Press and hold for 5 seconds.

Example displays



2. Select end from the available options.



3. Press tare to cycle through yes/no.



4. Press target to accept and proceed.



4.4 Auto off / Audio beep

Auto off

Auto off is a battery saving feature. When in operation the scale will automatically turn itself off after a set period of inactivity.

1. Enter auto off/audio beep set up.



Press and hold for 5 seconds.

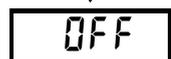
Example displays



2. Press units to select auto off function.



3. Press tare to cycle through options.



4. Press target to accept and proceed.



5. Press tare to cycle through options.



Example displays

AOFF



bEEP



End

6. Select end. Press target key to exit.



End



YES

Audio beep

The audio beep is used in check weighing mode, to indicate when the weight is within the set limits. Use this option to turn the beeper on or off.

1. Enter auto off/audio beep set up.



Press and hold for 5 seconds.

2. Press tare to cycle through options.



Example displays

ADFF



bEEP



End

3. Press units to select beep function.



bEEP

4. Press tare to cycle through options.



ON



OFF

5. Press target to accept and proceed.



bEEP

6. Press tare to cycle through options.



Example displays



7. Select end. Press target key to exit.



5 Error displays

5.1 Weighing errors

Under weight

Display when the weight applied is below the minimum which can be weighed.

Example displays



Over weight

Display when the weight applied is above the maximum which can be weighed.



5.2 Other errors

Battery low

Display when the battery is nearly depleted, and requires re-charging.



Eprom error



Zero count error



Span count error

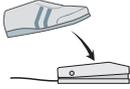


Calibration error

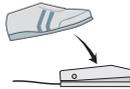


6 Foot pedal operation

Switch the scale on

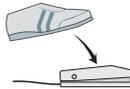


Switch scale off



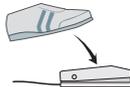
Press and hold for 5 seconds.

Tare



Press with weight on scale.

Tare cancel



Press with no weight on scale.

Note: For more information on the above functions see “Basic operation” on page 7.

7 Battery charging

Re-charging the battery

When the battery requires re-charging, the scale will display:

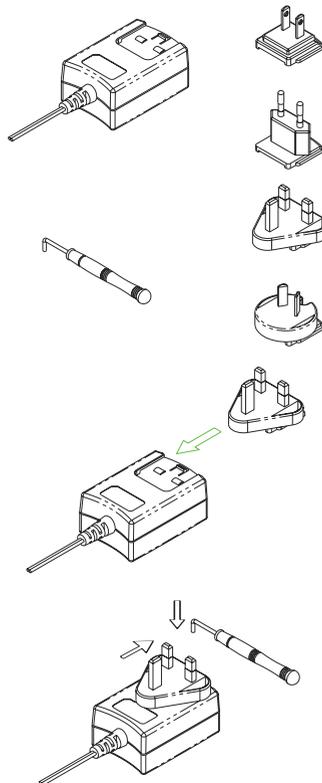
Example displays



To recharge the battery, plug the charger supplied with the scale into the re-charge socket on the base of the unit.

CAUTION: Connect the re-charger to the scale, BEFORE connection to the electrical supply.

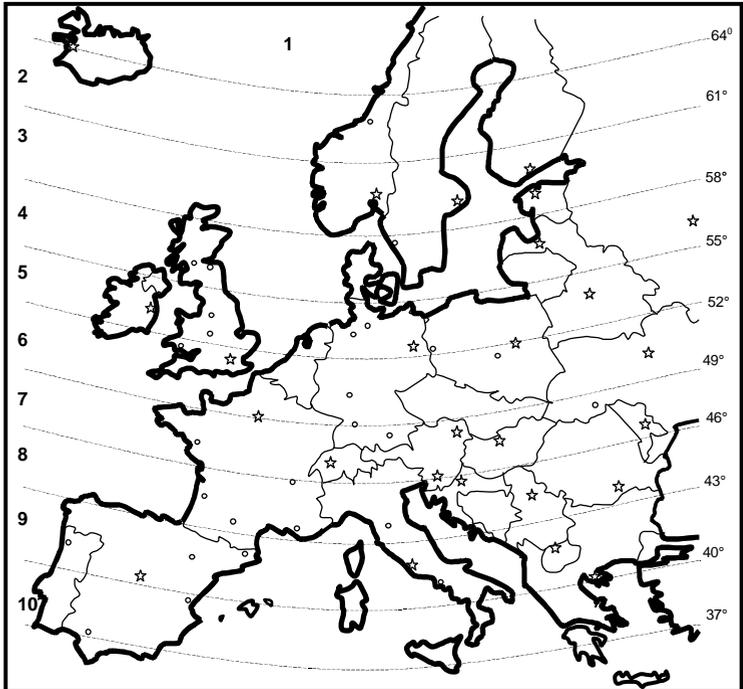
The charger unit is assembled as shown below.



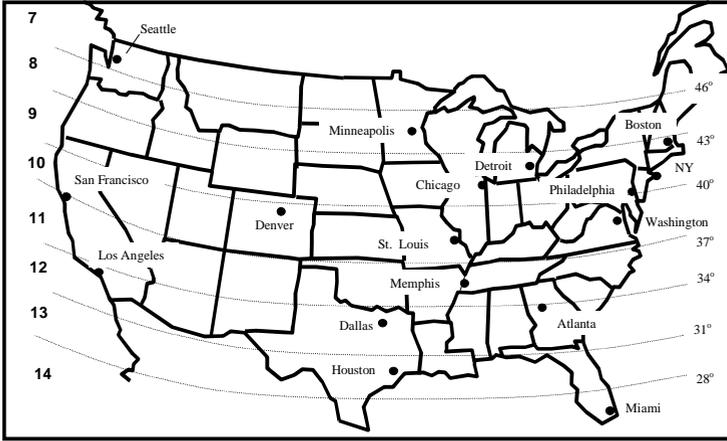
Appendix A

Latitude compensation maps

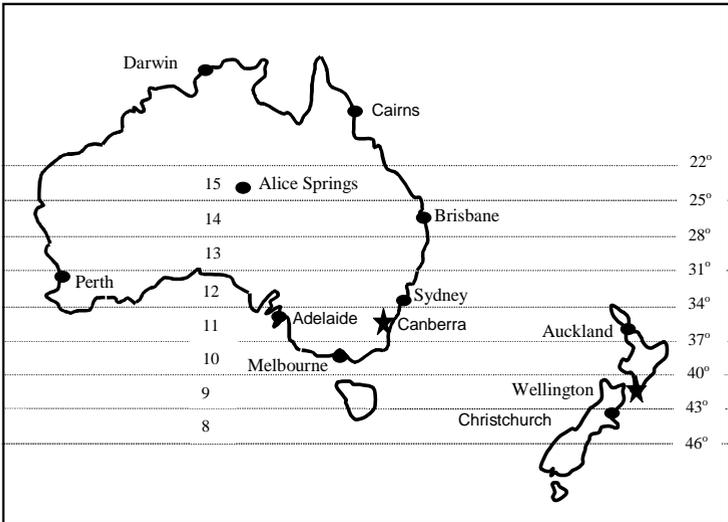
Europe



USA



Australasia



The address of your Salter Brecknell centre is



This document contains a general guide only of the product and shall not form part of any contract unless specifically agreed by Salter Brecknell Weighing in writing in each case on the Order Acknowledgement. The specification of the products described herein may vary from time to time and may be altered without notice.

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