CSG A.L.C.

COUNTING SCALE

USER MANUAL

Completely re-written for clarification

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County Scales Limited

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SPECIFICATIONS

Division Value: 1 : 75000

Non-linearity: <0.01% of full capacity

Load cell excitation voltage: DC 3V, Max output signal 10mV.

Load cell resistance: 350 ohms

Operation keys: 20

Display: 6 digit LCD with backlight

Operating Temperature: 0-40°C < 85% Relative Humidity

Power Source: AC 110V/220V (+/- l0%)

DC 6V/4AH Rechargeable Battery

USER INFORMATION

1. The scale must be placed on a firm level surface for accurate weight readings.

2. Please use independent AC outlet to avoid interference

from other electrical appliances.

3. Ensure there is nothing on the scale pan while powering on.

4. Avoid positioning the scale in a draughty location.

5. If battery is allowed to fully discharge please charge for 12 hours.

6. All goods weighed should be placed in the centre of the

pan for accurate weighing, and the overall size of the goods

being weighed should ideally not exceed the dimension of the pan.

7. If the battery charge gets too low, a 'low battery' mark appears in the display. Turn off the scale and charge for 12 hours. During charging the indicator light will show yellow and when fully charged it will be green. The power supply unit can be left connected during use.

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| SMPL | For use when sampling the weight of items to be counted. (See page 3) |

| QTY PST | Presets the displayed quantity to give an audible alarm if above or below preset figure. (See page 4). Alarm will not sound at zero quantity. |

| M+ | Used in weight accumulation mode |

| UNIT WT | Use to directly enter the exact weight of a single item if known. |

| PST CE | Cancels the preset alarm value |

| CE | Clears any entries made. |

| MC | Clears total accumulated weight in ACCUMULATION mode. |

| 0 - 9 • | Used for any numerical input |

| ZERO | Resets the display to zero |

| TARE | Use this key to subtract the weight of container etc. used to hold items being counted, giving 'Net Zero' |

Operation

Use the power switch on the right to turn the scale on and off.

Ensure nothing is on the pan when turning on. The scale will first go through self-check, and then clear to zero ready for weighing.

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Zero function:

During weighing, if the pan is empty but the weight display is not at zero, please press " ZERO" to clear the scale display. If a 'tare' value has been entered, or the reading is too far out of zero this will not work, and the scale will have to be switched off and on again.

Tare function:

To subtract the weight of a container placed on the pan intended to hold items to be counted, press 'TARE'. This gives a 'Net zero' value that remains until the container is removed. When it is, the resulting 'minus' value displayed can be cleared by pressing 'TARE' again to return to the normal 'Gross zero'.

Piece Weight direct entry:

When you know the unit weight of one of the items that need to be counted, please input the unit weight value using the numeric keys, and press "UNIT WT" key to confirm. When these items are placed on the pan the quantity will be displayed directly.

Piece weight sampling:

To do this, hand count a number of identical items that you wish the machine to count and place them on the pan (10 or 20 is usually enough). Then input this number using the numeric keys and press 'SMPL' when the weight figure is stable. The scale will calculate the weight of ONE item and show it in the 'unit weight' display. The number hand counted items will show in the 'Total count' display, and the machine is ready to count any number of the same item placed on the pan.

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Alarm setting and cancelling:

You can input a count number you wish to give an audible alarm. First press 'QTY PST' and display shows 'DOWN'. If you enter a figure (e.g. 10) the alarm will sound at between 1 and 9. Press 'QTY PST' again and display shows 'UP'. A figure entered here (e.g. 20) causes alarm to sound when the count number is 21 or more. These settings can be used alone or together allowing target count number to easily be proved without need to refer to the display.

To cancel the alarm, press " PST CE" to clear both 'UP' and 'DOWN' entries.

Accumulation Function:

When counting press " M+" key to enter accumulation mode, and the weight screen then displays the number of times it has been pressed. The Total Count screen displays the accumulated total and then returns to counting mode.

If the total accumulated quantity exceeds the display range, the display will show " OL ".

During ACCUMULATION mode press "MC " key to clear value of total accumulated weight.

Select backlight display operation:

Turn on the scale and during self-checking, press and hold "1" key until self-checking finished, indicated by a continuous tone. The current backlight mode will show in the Weight display. You can select from three modes of operation, AUTO, OFF and ON using the 'TARE' key, then press 'ZERO' to accept the setting.

Weighing unit settings:

Turn on the scale and during self-checking press and hold "2" key until self-checking finished, indicated by a continuous tone. The current weighing unit shows in the weight display. Select desired unit with 'TARE' key and press 'ZERO' to accept. The following entries are for 'communication interface' facilities unused on this model, so just press 'ZERO' twice to complete unit setting.

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Troubleshooting:

PROBLEM	CHECK:
Charge light not showing-	Plug from charger fully inserted.
	Fuse is not blown.
Display unstable -	Must not be in draughty location.
	Foreign body not caught under pan.
	Pan not catching on wall etc.
Incorrect weight displayed -	Scale must be level.
	Not at zero before weighing
	Scale not in calibration.