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Manual PCE CWC



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1. Instructions for the use of caravan weight control

CWC offers the opportunity to weigh the nose weight, the left and right balance weights and the total weight of touring caravans and trailers. It can also weigh motor homes or others vehicles up to maximum of 1000 kg per wheel.

Warning:

1. CWC is fitted with very sensitive electronics. Please protect these by avoiding use in rain, standing water and extreme temperatures. Also please be careful not to drop the unit as it could be affected by shock.
2. CWC must be used on flat hard-standing only.
3. CWC is sensitive to sharp temperature changes. Ensure it has had time to acclimate for a few minutes before use.
4. Use 3 x 1.5V alkaline batteries (size AAA) only not rechargeable! Place in compartment +/- as indicated.
5. After use, clean with a damp cloth (not wet).

Programmes available

Programme 1: Use for single axle caravans and trailers.

Programme 2: Use for double axle caravans and trailers.

Programme 3: Use for motor homes and vehicles.

2. Buttons functions:

2.1 ON/OFF button

- Press for on/off function. Unit automatically switches off after 5 minutes if no used.
- Note: All recorded measurements are lost when unit is off.

2.2 Scroll button

- Press to memorise last weight and move on to next function.
- Wheels can be weighed in any order.
- Use to review weights already recorded.

2.3 Total button

- Press to show total of all measurements taken.
- Re-press TOTAL button to return to weighing mode.

3. Choosing the correct Programme

Switch on CWC. The last select programme will appear on the LCD screen.

To select an alternative programme:

Press the combination of the Total button + the Scroll button.

3.1 Programme 1: Weighing a Single Axle Caravan or trailer

1. Select programme 1. Symbol on nose wheel will flash.
2. To weigh nose wheel: Place wheel between the two sensors, ensure it is slightly off-centre in the space between the two. Wait until both jockey wheels arrows flash. This indicates weight is recorded. Then remove wheel from the unit.
3. Press Scroll button. Symbol on screen for left wheels will flash.
4. Place CWC at 90° angle in front of the left tyre. Drive the caravan or trailer as slowly as possible over the unit. Note: The slower it travels over the unit, the more accurate the reading. Never allow a tyre to travel over the LCD screen.
5. Press the Scroll button to memorise the weight. Repeat (4.) with the right tyre.
6. Press de Total button to give the total of all the weights.

3.2 Programme 2: Weighing a Twin Axle Caravan or trailer

1. Select programme 2.
2. Instructions for use are as programme 1.
3. Press the Scroll button to memorise the weight. Repeat (2.) with the right tyres.
4. Press the Total button to give the total of all the weights.

3.3 Programme 3: Weighing a Motor home or vehicles

Note: To obtain most accurate reading, axle wheels should be at identical heights. We suggest you to lay a small plank of wood of the same depth as CWC, lengthways. Drive one front wheels on to the plank about a third down its length. Thus the side not being measured can travel along it at the same time as measurements are taken for the other side.

1. Select programme 3.
2. The Symbol flashes on the LCD screen to indicate LEFT FRONT wheel. Place the check weight at 90° in front of the left front wheel. Drive this wheel as slowly as possible over CWC. Never allow a tyre to travel over the LCD screen!
3. Press the Scroll button to store the weight in the memory. The symbol – will now flash on the screen to indicate LEFT REAR.
4. Repeat the exercise as 2 above with the left rear wheel.
5. Repeat the steps 2, 3 and 4 for the right hand side of the vehicle.
6. Press the total button to show total weight of the LEFT hand side of the motor home. Then press Scroll button to obtain the total weight of the right hand side. Press the Scroll button again to obtain the total weight of the motor home. Press the TOTAL button to return to weighing mode.
7. Any weight can be reviewed, or remeasured by pressing the Scroll button until the appropriate symbol appears on the screen.

4. Technical information



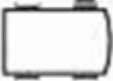











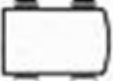






1. CWC comprises of a microprocessor with an LCD display.
2. Maximum weighing capacity:

- Axle wheels: 1000 KG
- Jockey wheel: 100 KG
- 3. Temperatures tolerance: 0-50 °C
- 4. Batteries 3x 1.5V Alkaline, Type AAA
- 5. Weight 1000 grams

5. Batteries

The battery symbol will appear in the LCD screen when the batteries need replacing. Please note: Inaccurate readings may result from batteries which have insufficient charge left in them.

6. Definition of symbol

Programme 1	Programme 2	Programme 3
Caravan single axle and trailer	Caravan twin axle and trailer	Motorhome and vehicle
 Weigh jockey wheel	 Weight jockey wheel	 Weigh left front wheel
 Jockey wheel weighted	 Jockey wheel weighted	 Weigh left back wheel
 Weigh left wheel	 Weigh left wheel	 Weigh right front wheel
 Weigh right wheel	 Weigh right wheel	 Weigh right back wheel
 Total weight	 Total weight	 Total weight left side of vehicle
 Replace batteries (See Batteries)		 Total weight right side of vehicle
 You have driven too fast over the CWC Reweigh this wheel		 Total weight of the vehicle
 Symbol is blinking  Symbol is lighten up		

In this direction will find a vision of the measurement technique:
<http://www.industrial-needs.com/measuring-instruments.htm>

NOTE: "This instrument doesn't have ATEX protection, so it should not be used in potentially explosive atmospheres (powder, flammable gases).