

Martin Lishman

Weltech Potato Hydrometer

Instruction Manual

PW4



Product Code:
POT/HYDPW4

Important
Read these instructions before use

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Introduction

The PW4 weighs potatoes to measure their specific gravity, percentage dry matter, percentage starch and underwater weight. It works by comparing the weight in air with the weight in water of a minimum of 1.5kgs of potatoes. The PW4 is operated by rechargeable battery and will retain all weights even when the battery is flat.

All information is stored until the CLEAR sequence has been completed.

The maximum weight the unit can weigh is 10kg (20lbs).

NOTE: If the weight exceeds 10kgs the loadcell will be damaged. Upward force on the weigher hook can also cause loadcell damage.

Components



PW4 Control Panel



← Charger and USB socket

Key Pad



F1

Function 1 button

Selects the function on the screen above the button



Settings

Access the settings menu

F2

Function 2 button

Selects the function on the screen above the button

CLEAR

Clear

Clears stored data on the device. Also used as a back button when in settings menu

F3

Function 3 button

Selects the function on the screen above the button

ENTER

Enter

Enter items in menus and save settings

F4

Function 4 button

Selects the function on the screen above the button



ON/OFF



UP

Scroll up through menus



DOWN

Scroll down through menus

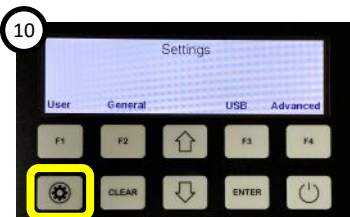
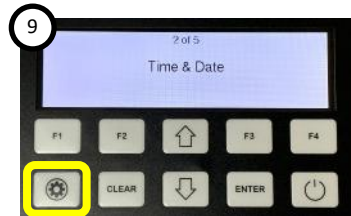
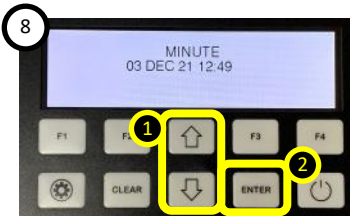
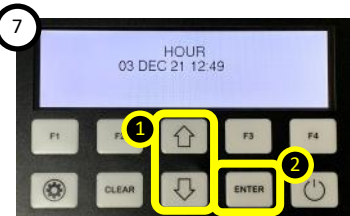
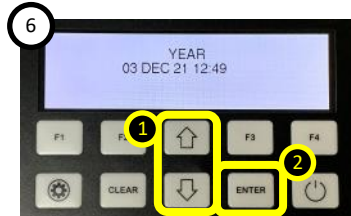
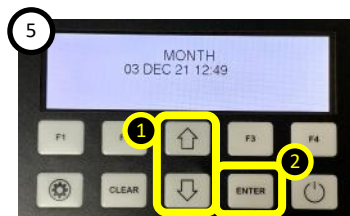
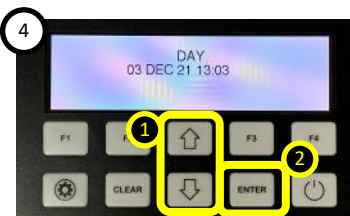
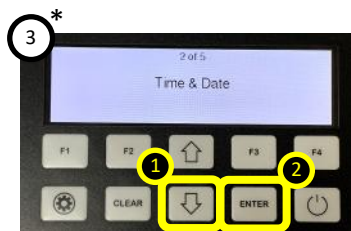
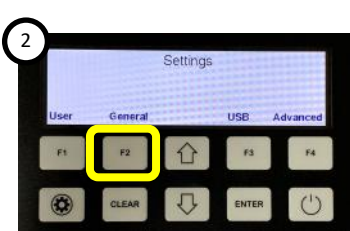
Precautions



1.5 - 6kg

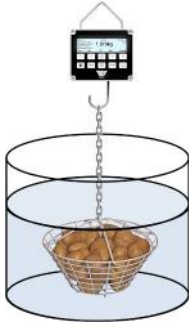


Setting Date and Time



- 3* Other settings:
- Select language
 - Weight units
 - Auto-off time
 - Backlight on/off

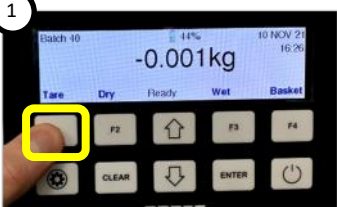
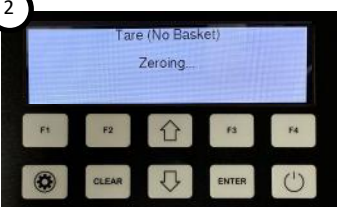

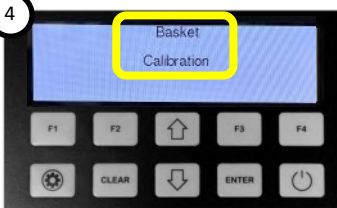




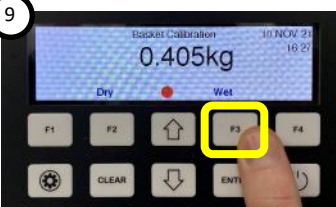
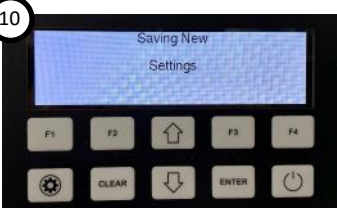

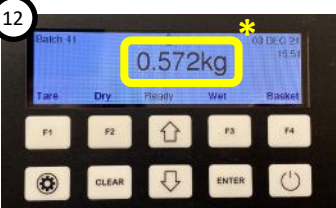
Preparing the water container



It must be possible to fully submerge the basket with a sample of potatoes in a water container.

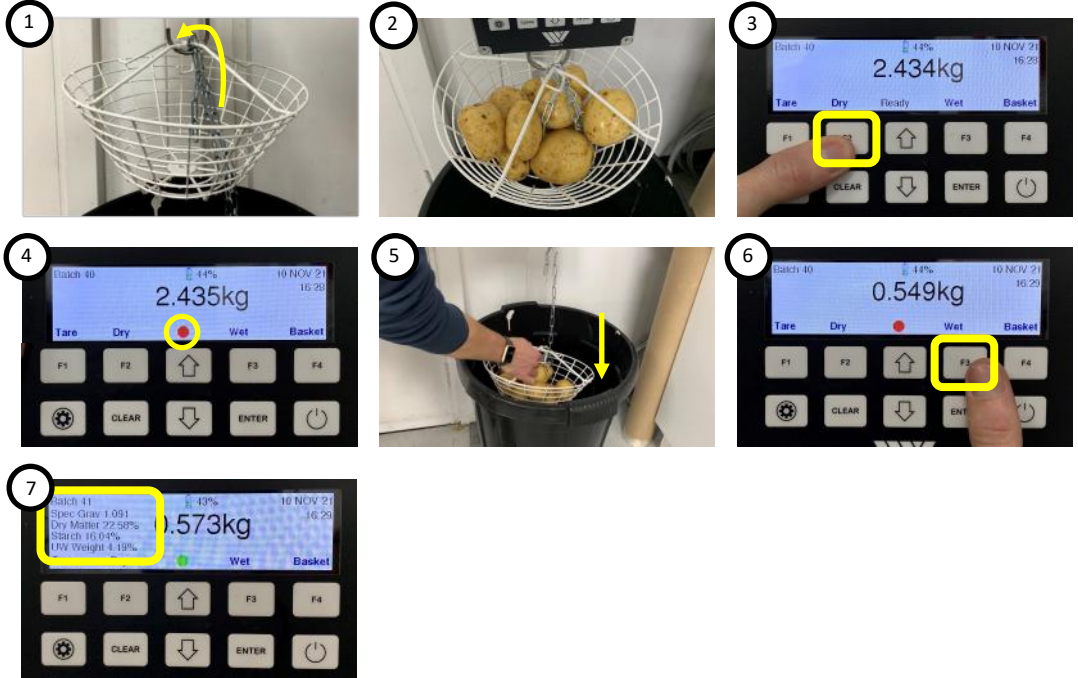
The minimum recommended container size is: 356mm dia. X 400mm deep; clean metal or plastic. For best results, ensure the water is clean and has a temperature of c.15°C/60°F.

Basket Calibration

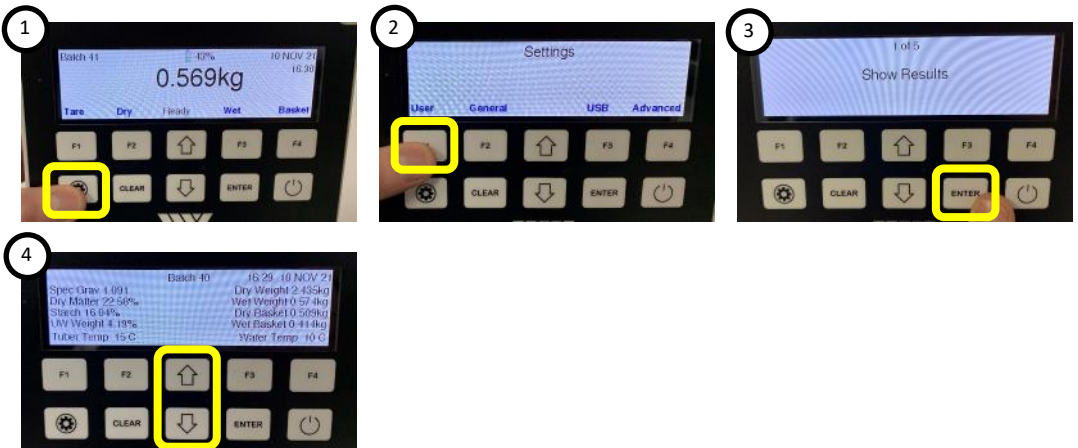
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* NOTE: Once basket calibration is complete and basket placed on the hook, the screen will continue to display the weight of the basket in air until potatoes are added. DO NOT tare the PW4 again after calibration.

Measurement

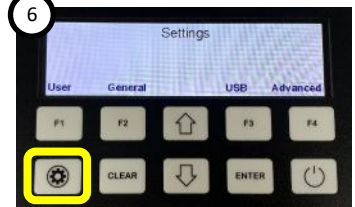
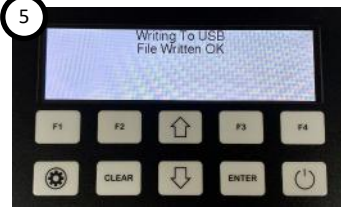
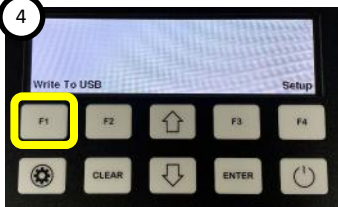
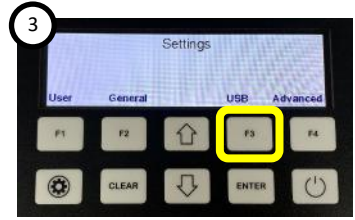
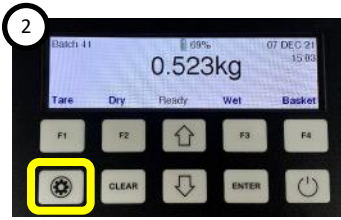


View Results

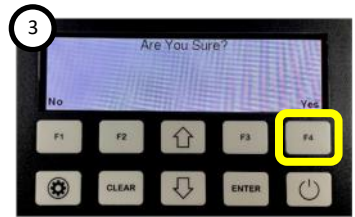
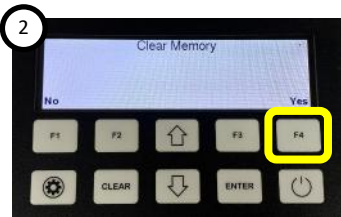


Visit www.martinlishman.com/weltech-hydrometer/ for a video of the PW4 in use

Exporting data to USB



Clearing the data memory



Technical Support

For any advice on use of this equipment please contact Martin Lishman Ltd +44 (0) 1778 426600 or email sales@martinlishman.com

Warranty

The *Weltech* Potato Dry Matter Weigher (the unit) is guaranteed for 2 years from the date of purchase against any defect or malfunction caused by faulty parts or workmanship. To claim under warranty, the complete unit or part should be returned, at the claimant's expense, to Martin Lishman Ltd with a written explanation of the problem. Should there prove to be a defect or malfunction caused by faulty parts or workmanship, it will be repaired or replaced and returned to the claimant without charge. If a warranty claim is rejected, the cost of replacement or repair will be notified to the claimant before any work is carried out.

Any warranty claim will automatically be invalidated if the unit has been modified or internally tampered with in any way. The manufacturers will not cover under warranty damage or faults occurring to the unit which have been caused by inappropriate use or by use not in accordance with the operating instructions. Under no circumstances will Martin Lishman Ltd re-imburse any costs associated with a warranty claim if these costs have been incurred without agreement in advance.

Under the terms of warranty for the unit under no circumstances will liability exceed the cost of replacement or repair. The manufacturers and Martin Lishman Ltd will not be liable for any consequential or indirect loss suffered by purchasers or users of the unit, whether this loss arises from correct or incorrect use, defect or malfunction caused by faulty parts or workmanship or in any other way. Non-exhaustive illustrations of consequential or indirect loss are loss of profits, loss of contracts and damage to property.

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