

# Plunket Scale Calibration Procedure

## Overview

Normally it is industry practice to provide a report of the weighing performance of a weighing machine. This allows the user to decide if it is weighing well enough for its intended use. This method puts the onus on the user to interpret the results on the report.

## Purpose

Wedderburn and Plunket have decided to introduce a mutually agreed pass/fail style calibration certificate. This takes away any interpretation from the report and ensures all scales performance results are to a nationally agreed spec.

## Testing

All testing will be done on a flat hard surface as close to level as possible without the use of a level indicator.

It is expected the scale is provided to Wedderburn for testing in a clean and complete condition

## Test Procedure

- Record the scale make.
  - Record the scale model.
  - Record the scale serial number. Where a serial number does not exist, then it will be the Plunket hub Wedderburn account number followed by a sequential 2 digit number (e.g. RO501401 where RO5014 is the Plunket account number and 01 is the first machine needing this)
  - Record Plunket's Asset ID if one exists.
  - Visually check the machine for damage, legs are attached and the overall condition of the machine.
- 
- Place maximum capacity on the scale three (3) times. All three reading should be within one scale division of each other.
  - Place half capacity on the scale three (3) times. All three reading should be within one scale division of each other.
  - The same half capacity will be moved to the one end of the platform, the reading will not be any more than one scale division different to the middle reading.
  - The same half capacity will be moved to the other end of the platform, the reading will not be any more than one scale division different to the middle reading.
  - Place maximum capacity on the scale, the reading will be within 3 scale divisions of the applied load.
  - Place three quarters of maximum on the scale, the reading will be within 3 scale divisions of the applied load.
  - Place half maximum on the scale, the reading will be within 2 scale divisions of the applied load.
  - Place quarter of maximum on the scale, the reading will be within 1 scale divisions of the applied load.

### Scale is within above specifications?

- Should all the results be within the above specifications, record this as a pass in the Barking asset tasking page.
- Apply a Wedderburn calibration label on the device with the test date, an expiry date 12 months from the issue date and the technician who completed the tests.

### Scale is not within the above Specifications?

- If the machine **can** be adjusted closer to nominal values, then this should be done. If this can be done in 20 minutes or less, then this will be done at no additional cost to Plunket. If it takes longer to facilitate a repair then we should not spend any longer than 45 minutes achieving this, if this is the case then Plunket will be charged 30 minutes on top of the calibration fee.  
if Wedderburn invest 45 minutes and a repair is still not achieved then there will be no additional charge to Plunket.
- If adjustment is not possible then the asset should be failed in the Barking Application. No label should be applied to the machine, and it should be quarantined from the compliant machines.

The Plunket Hub manager should be then informed of the failure, they should make a decision as to which model it is to be replaced with.

The choices are.

Product Code	Capacity	WAND Registration	Warranty	Plunket Price Per Unit (excl. GST)
TIBD590-PLUNKET Baby Scale	20kg x 10g	#101129-WAND-6A43LP	24 Months	\$306.00
WMMS3500-PLUNKET Baby Scale	0 – 10kg x 5g 10kg – 20kg x 10g	#200824-WAND-6VAB67	24 Months	\$306.00
WMMS6111-PLUNKET Personal Scale	0 – 20kg x 10g 20kg – 250kg x 100g	#20084-WAND-6VAB7D	24 Months	\$248.00