



# INSTRUCTIONS FOR WHEEL BALANCER - SEMI AUTOMATIC MODEL NO: **WB10**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

**IMPORTANT:** PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instructions



Wear eye protection



Wear protective gloves



Wear safety footwear



Wear protective clothing



Keep in dry area protect from rain

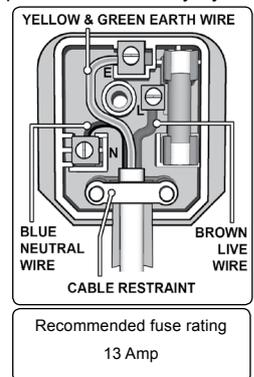


Wear a mask

## 1. SAFETY

### 1.1. Electrical Safety

- ❑ **WARNING!** It is the user's responsibility to check the following:
  - Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage. Sealey recommend that an RCD (Residual Current Device) is used with all electrical products. You may obtain an RCD by contacting your local Sealey dealer.
  - If used in the course of business duties, it must be maintained in a safe condition and routinely PAT (Portable Appliance Test) tested. Electrical safety information, it is important that the following information is read and understood.
- ✓ Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- ✓ Regularly inspect power supply cables and plugs for wear or damage and check all connections to ensure that they are secure.
- ✓ Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse - see fuse rating in these instructions.
- ✗ **DO NOT** pull or carry the appliance by the power cable.
- ✗ **DO NOT** pull the plug from the socket by the cable.
- ✗ **DO NOT** use worn or damaged cables, plugs or connectors. Ensure that any faulty item is repaired or replaced immediately by a qualified electrician.
- ✓ This product is fitted with a BS1363/A 13 Amp 3 pin plug.
  - If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
  - Ensure that repairs are carried out by a qualified electrician.
  - Replace a damaged plug with a BS1363/A 13 Amp 3 pin plug. If in doubt contact a qualified electrician.
  - a) Connect the GREEN/YELLOW earth wire to the earth terminal 'E'.
  - b) Connect the BROWN live wire to the live terminal 'L'.
  - c) Connect the BLUE neutral wire to the neutral terminal 'N'.
  - Ensure that the cable outer sheath extends inside the cable restraint and that the restraint is tight.
  - Sealey recommend that repairs are carried out by a qualified electrician.



### 1.2. General Safety

- ✓ Make sure Wheel Balancer is fitted/used on a dry, flat, level, oil/grease free, concrete surface capable of supporting the weight of the Wheel Balancer.
- ✓ Before each use, always examine the wheel balancer for structural cracks/defects, damage to the safety guard and electrical wiring, and any other condition that may affect the safe operation of the machine. **Do not** use the Wheel Balancer if any defects are found.
- ✓ Maintain a safe working environment. Keep the work area well lit. Make sure there is adequate surrounding workspace. Always keep the work area free of obstructions, grease, oil and other debris.
- ✗ **DO NOT** use the Wheel Balancer in a damp or wet location.
- ✗ **DO NOT** use the Wheel Balancer in areas near flammable chemicals, dusts or vapours.
- ✓ This wheel balancer is designed for use with most passenger cars and light commercial wheels. **DO NOT** attempt to exceed the machine's maximum wheel diameter of 28".
- ✗ **Do not** raise the safety guard until the spinning wheel comes to a complete stop.
- ✓ Always keep hands, fingers, and feet away from the moving parts of the wheel balancer while machine is in use.
- ✗ **DO NOT** leave the wheel balancer unattended when it is running. After completing a wheel balancing function, always turn the Power Switch to its "OFF" position, and wait until the machine comes to a complete stop before leaving.
- ✓ Before turning the machine on, make sure tools, tool trays, wheel weights, and all other equipment is removed immediately from the vicinity.
- ✗ **DO NOT** stand or allow an observer to stand in line with the spinning wheel.
- ✗ **DO NOT** use with an extension cable. Wheel Balancer needs to be mounted near a suitable plug socket.
- ✓ Always unplug the wheel balancer from its electrical supply before performing any inspection, maintenance, or cleaning procedures.
- ❑ **WARNING:** People with pacemakers should consult their physician(s) before using this product. Operation of electrical equipment in close proximity to a heart pacemaker could cause interference or failure of the pacemaker.

## 2. INTRODUCTION

Semi-automatic balancer with auto data input for offset and wheel diameter, data can be input manually if required. Steel and alloy settings depending on required location of wheel weights, including split (hidden) weight. Additionally the machine is self-calibrating with manual check option. Features auto standby mode, foot operated brake, quick release locking wing nut, wheel guard with auto stop. Suitable for most cars and light commercial wheels. Supplied with four centring cones, wheel measuring callipers, weight pliers and 100g calibration weight. See Sealey website for demonstration video.

## 3. SPECIFICATION

Model No.....	WB10
Max. Rim Diameter .....	28"
Max. Tyre Diameter .....	1100mm
Max. Wheel & Tyre Weight.....	70Kg
Max. Rim Width.....	20"(510mm)
Rotating Speed .....	140rpm
Accuracy .....	±1g
Balance Time .....	7s
Shaft Width .....	40mm
Voltage/Phase .....	230V-1ph
Motor Power.....	90W
Mounting Cone Diameters.....	42-65, 53-78, 75-108.
Overall Dimensions(WxDxH).....	1100x1000x1250mm
Weight.....	128Kg

## 4. INSTALLATION

- ✓ When unpacking, check to make sure all parts shown on the Packing Lists are included. If any parts are missing or broken, please call your Sealey distributor.
- 4.1. **Locating The Wheel Balancer:**
  - 4.1.1. Make sure Wheel Balancer is fitted/used on a dry, flat, level, oil/grease free, concrete surface capable of supporting the weight of the Wheel Balancer.
  - 4.1.2. The Wheel Balancer is designed for indoors use only. **Do not** install or use the Wheel Balancer outdoors, or in damp or wet locations.
  - 4.1.3. Make sure to check the desired location for possible obstructions such as a low ceiling, adequate working area, access ways and exits
  - 4.1.4. The Wheel Balancer should be located in an area free of flammable materials and liquids.
  - 4.1.5. Make sure the Wheel Balancer is located near enough to a plug socket so it can be plugged into directly without the use of an extension cable.
- 4.2. **Mounting the Wheel Balancer to the floor**
  - 4.2.1. With assistance, and with the use of a lifting device, stand the Wheel Balancer in its upright position in the desired location. Use the three, 13mm (1/2") machine mounting holes located at the base of the Body as a template to mark the points where three floor anchor holes will be drilled in the floor surface. Then, temporarily remove the Wheel Balancer.
  - 4.2.2. Where previously marked on the concrete floor surface, drill three 13mm (1/2") diameter, minimum 100mm deep, anchor holes.  
**NOTE:** Be sure to blow out the cement dust from the drilled hole.

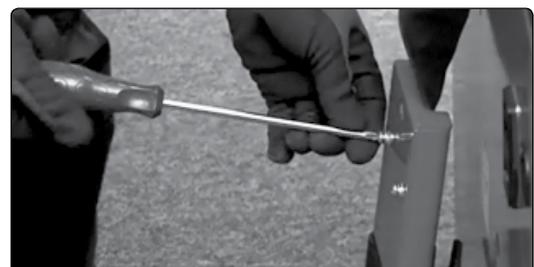
WHEN MOVING THE MACHINE **DO NOT** LIFT BY THE BALANCING SHAFT



- 4.2.3. Move the Wheel Balancer back to the desired location, and align the three machine mounting holes at the base of the Body with the three previously drilled floor anchor holes.
- 4.2.4. Level the Wheel Balancer by inserting steel shims between the base of the machine and the concrete floor surface. **Do not** exceed more than 5mm thickness of shims.
- 4.2.5. Secure the Wheel Balancer to the concrete floor surface, using three 13mm (1/2") diameter concrete anchor bolts of appropriate length, three washers, and three nuts (not provided).  
N.B. After installation the Wheel Balancer will need calibrating.

### 4.3. Assembly

- 4.3.1. Remove the three screws from display panel.



- 4.3.2. Carefully position display panel into position, making sure wiring is not twisted.



- 4.3.3. Insert the three screws through the back panel and into the aligned display panel.



- 4.3.3.1. Install the threaded shaft.



- 4.3.4. Tighten threaded shaft with Hex key



- 4.3.5. Install wheel guard with supplied screws and tighten with Hex key.



- 4.3.6. Install side handles.



## 5. CALIBRATION

### 5.1. Calibration

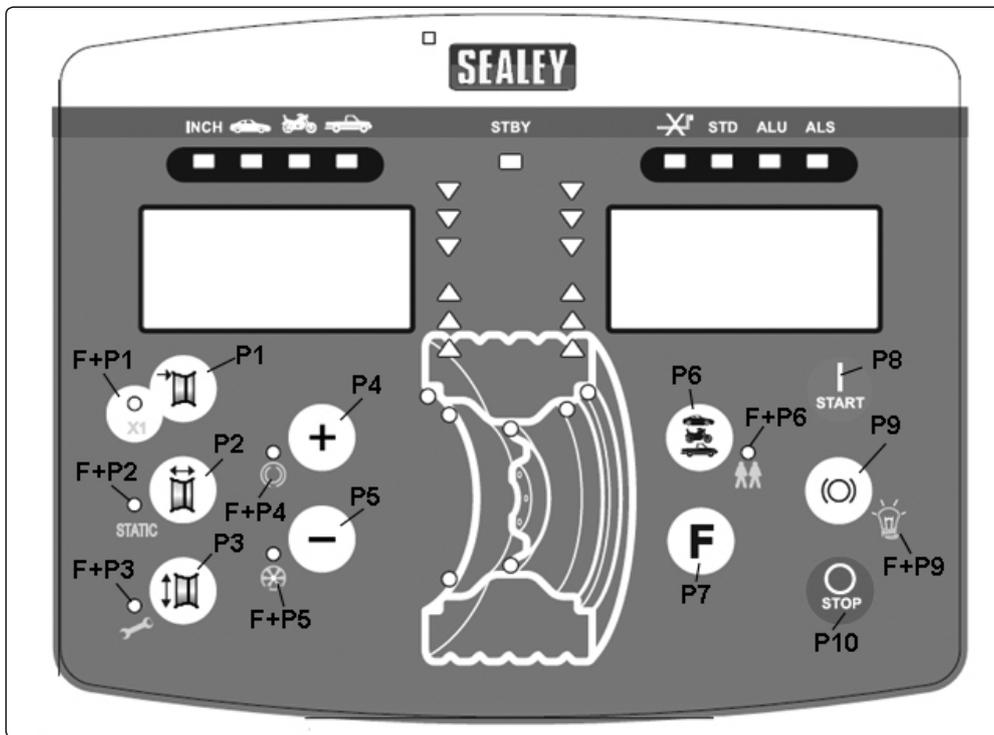
- 5.1.1. First select car mode and STD
- 5.1.2. Press F + P3 – An LED light will turn on above the spanner symbol and the left and right display screen will show SEr...SEr. The machine is now in service mode.
- 5.1.3. Press P3 once more and display screens will show CAL...Car.
- 5.1.4. Press P3 again and the display screens will read CAL...0. At this point remove the wheel and all the accessories from the shaft.
- 5.1.5. Lower down the wheel guard and the wheel will automatically spin.
- 5.1.6. Once the shaft finished rotating the display screens will show CAL...1.
- 5.1.7. Mount a balanced wheel back on the shaft, ideally a 14/15". Any imbalance in the wheel must be no more than 5grams.
- 5.1.8. Manually measure and input three parameters of the wheel (Distance, Width and Diameter).
- 5.1.9. Once all three parameters are manually entered, lower down the wheel guard and the wheel will automatically spin.
- 5.1.10. At the end of the spin the screen displays will show "X...CAL" or [...CAL
- 5.1.11. Manually rotate the wheel until the left screen display shows a value of 100.
- 5.1.12. Clamp a 100g balance weight on the inner side of the wheel at the 12 o'clock position. Lower down the wheel guard and the wheel will automatically spin.
- 5.1.13. At the end of the spin the screen displays will show "CAL...X" or CAL...[.
- 5.1.14. Remove the 100g balance weight from the inner side.
- 5.1.15. Manually rotate the wheel until the right screen display shows a value of 100.
- 5.1.16. Clamp a 100g balance weight on the outer side of the wheel at the 12 o'clock position. Lower down the wheel guard and the wheel will automatically spin.
- 5.1.17. At the end of the spin you will hear a double beep which indicates the machine calibration is complete. The machine will automatically return the STD mode ready to balance the wheel.
- 5.1.18. At this moment the screen display will read 0...50. Manually rotate the wheel until the outer (right side) balance LED are all lit. Check the 100g weight is in the 6 o'clock position. If in the 6 o'clock position then the machine was successfully calibrated.

### 5.2. Distance Arm Check

- 5.2.1. Enter Service Mode F+P3 – Screen Display (SEr...SEr).
- 5.2.2. Press P1 for Distance Check – Screen Display (CAL...diS).
- 5.2.3. Press P1 again and double beep to continuous will sound – Screen Display (000...diS).
- 5.2.4. Continuous sound when Distance Arm docked and at zero measurement.
- 5.2.5. Pull out arm and verify manually using the tape measure on the distance arm to the screen display. +/- 2mm is acceptable.
- 5.2.6. If the manual check is not within +/- 2mm then this would suggest there is a fault with the machine. Should this happen then the machine will need to be removed from service until repaired.

### 5.3. Diameter Arm check

- 5.3.1. Enter Service Mode F+P3
- 5.3.2. Press P1 for Distance Check – Screen Display (CAL...diS).
- 5.3.3. Press P4 until Screen display shows (CAL...diA).
- 5.3.4. Press P1 – Screen Display – (1.02...diA) – The reference value should be within 0.99 – 1.03 when docked.
- 5.3.5. Pull our Distance Measuring Arm until left display screen shows 1.00.
- 5.3.6. Press P2 to confirm. Screen Display (End...-AO).
- 5.3.7. Return Distance Measuring Arm to docking point.
- 5.3.8. Press P1 – Screen Display (CAL...dia).
- 5.3.9. Press P4 – Screen Display (CAL...rEt).
- 5.3.10. Press P1 – Screen Display (SEr...SEr).
- 5.3.11. Exit Service mode F+P3 – Screen Display (0...0).
- 5.3.12. Place a 15/16" wheel on machine and pull out Distance Arm and rest it against the inner edge of the wheel, wait for a beep and return to dock.
- 5.3.13. Press P3 and see what diameter value is on display – (diA...XX).
- 5.3.14. If display value is not correct then activate Service mode again F+P3- (SEr...SEr).
- 5.3.15. Press P1 and then P4 until CAL...diA is displayed.
- 5.3.16. Press P1 to confirm.
- 5.3.17. Previously 1.00 was entered as in point five.
- 5.3.18. Now pull out arm until 1.01 is on screen display.
- 5.3.19. Press P2 to confirm – Screen Display (End...-AO).
- 5.3.20. Press P1.
- 5.3.21. Press P4 until screen display shows CAL...rEt.
- 5.3.22. Press P1 – Screen Display (SEr...SEr).
- 5.3.23. Exit Service Mode F+P3 (0...0).
- 5.3.24. Pull the Distance Arm out again and rest it against the inner edge of the wheel, wait for a beep and return to dock.
- 5.3.25. Press P3 and see what diameter value is on display – (diA...XX).
- 5.3.26. If again it is not what you are expecting repeat procedure and confirm 1.02. If you have to confirm parameter outside 1.00-1.03 then there may be a fault with the machine. At this point the machine will need to be taken out of service and repaired.



#### 5.4. Display

- P1** Distance to Wheel Rim
- F+P1** Displays balance Fine value
- P2** Wheel Rim Width
- F+P2** Static Mode
- P3** Wheel Rim Diameter
- F+P3** Service Mode
- P4** Plus/Scroll Key
- F+P4** Heavy Spot Mode
- P5** Minus/Scroll Key
- F+P5** Split Weight Mode
- P6** Vehicle Select
- F+P6** Two Operator Mode
- P7** To engage secondary key function.
- P8** Start. (Not applicable on this model)
- P9** Automatic Wheel Brake. (Not applicable on this model)
- F+P9** Side Light On/Off
- P10** STOP. (Not applicable on this model)

#### 5.5. Mounting Wheel onto the Balancer

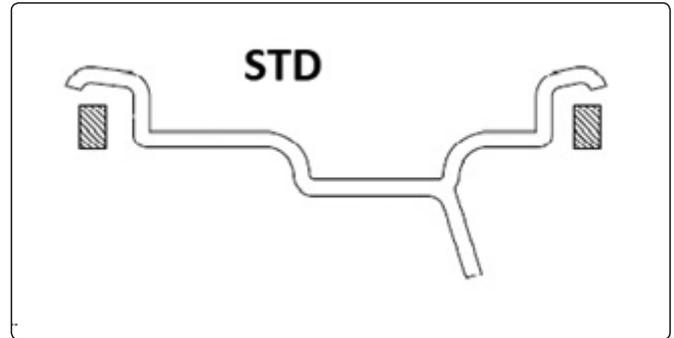
- 5.5.1. Select correct sized cone to fit wheel being balanced.
- 5.5.2. Slide cone onto balance shaft.
- 5.5.3. Fit wheel over balance shaft and onto cone.
- 5.5.4. Fit quick release nut with bowl onto shaft and tighten.
- 5.5.5. Rotate wheel on shaft by hand to make sure wheel is squarely mounted/secured.



## 6. WHEEL BALANCING PROGRAMS

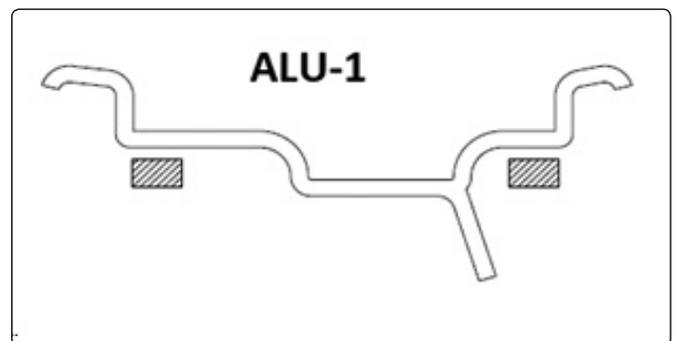
### 6.1. Operation for STD – Clamp weights

- 6.1.1. Switch on the machine and select Standard (STD) mode.
- 6.1.2. Mount the wheel on the shaft and lock.
- 6.1.3. Input wheel parameter.
- 6.1.4. Lower down the wheel guard and the wheel will automatically spin.
- 6.1.5. At the end of the spin the machine will automatically display imbalance values.
- 6.1.6. Lift up guard and manually rotate the wheel until all inner/outer imbalance position LED's are lit.
- 6.1.7. Position required balance weights and fix at the 12 o'clock position to the rim. Use foot brake to hold wheel in position.
- 6.1.8. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.1.9. If the test results are correct, remove wheel from shaft.
- 6.1.10. If the test results are incorrect, then repeat the process until correct.



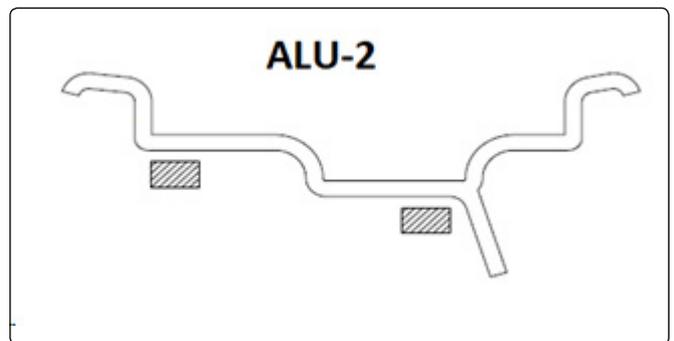
### 6.2. Operation ALU1 – Stick on Weights

- 6.2.1. Switch on machine and press P4 until ALU1 balance mode is selected on display.
- 6.2.2. Mount the wheel on the shaft and lock.
- 6.2.3. Input wheel parameter.
- 6.2.4. Lower down the wheel guard and the wheel will automatically spin.
- 6.2.5. At the end of the spin the machine will automatically display imbalance values.
- 6.2.6. Lift up guard and manually rotate the wheel until all inner/outer imbalance position LED's are lit.
- 6.2.7. Position required balance weights and fix at the 12 o'clock position. Use foot brake to hold wheel in position. Stick weights 20mm from edge of wheel.
- 6.2.8. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.2.9. If the test results are correct, remove wheel from shaft.
- 6.2.10. If the test results are incorrect, then repeat the process until correct.



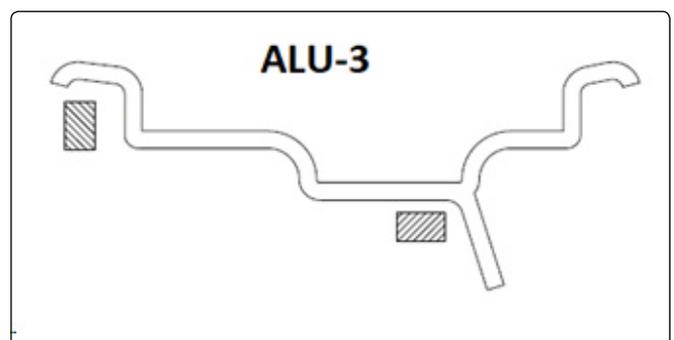
### 6.3. Operation ALU2 – Stick on Weights

- 6.3.1. Switch on machine and press P4 until ALU2 balance mode is selected on display.
- 6.3.2. Mount the wheel on the shaft and lock.
- 6.3.3. Input wheel parameter.
- 6.3.4. Lower down the wheel guard and the wheel will automatically spin.
- 6.3.5. At the end of the spin the machine will automatically display imbalance values.
- 6.3.6. Lift up guard and manually rotate the wheel until all inner/outer imbalance position LED's are lit.
- 6.3.7. Position required balance weights and fix at the 12 o'clock position. Use foot brake to hold wheel in position.
- 6.3.8. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.3.9. If the test results are correct, remove wheel from shaft.
- 6.3.10. If the test results are incorrect, then repeat the process until correct.



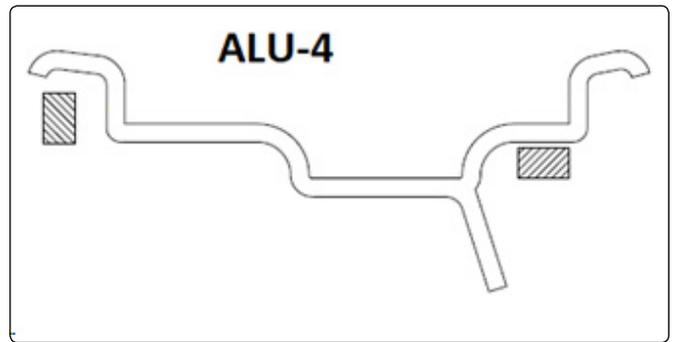
### 6.4. Operation ALU3 – Clamp + Stick Weight

- 6.4.1. Switch on machine and press P4 until ALU3 balance mode is selected on display.
- 6.4.2. Mount the wheel on the shaft and lock.
- 6.4.3. Input wheel parameter.
- 6.4.4. Lower down the wheel guard and the wheel will automatically spin.
- 6.4.5. At the end of the spin the machine will automatically display imbalance values.
- 6.4.6. Lift up guard and manually rotate the wheel until all inner/outer imbalance position LED's are lit.
- 6.4.7. Position required balance weights and fix at the 12 o'clock position. Use foot brake to hold wheel in position.
- 6.4.8. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.4.9. If the test results are correct, remove wheel from shaft.
- 6.4.10. If the test results are incorrect, then repeat the process until correct.



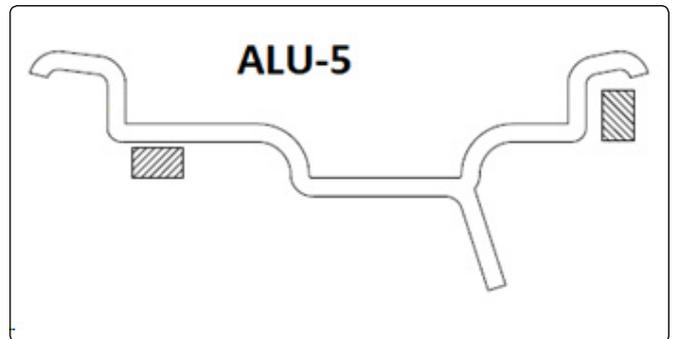
## 6.5. Operation ALU4 – Clamp and Stick Weight

- 6.5.1. Switch on machine and press P4 until ALU4 balance mode is selected on display.
- 6.5.2. Mount the wheel on the shaft and lock.
- 6.5.3. Input wheel parameter.
- 6.5.4. Lower down the wheel guard and the wheel will automatically spin.
- 6.5.5. At the end of the spin the machine will automatically display imbalance values.
- 6.5.6. Lift up guard and manually rotate the wheel until all inner/outer imbalance position LED's are lit.
- 6.5.7. Position required balance weights and fix at the 12 o'clock position. Use foot brake to hold wheel in position.
- 6.5.8. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.5.9. If the test results are correct, remove wheel from shaft.
- 6.5.10. If the test results are incorrect, then repeat the process until correct.



## 6.6. Operation ALU5 – Clamp and Stick Weights

- 6.6.1. Switch on machine and press P4 until ALU5 balance mode is selected on display.
- 6.6.2. Mount the wheel on the shaft and lock.
- 6.6.3. Input wheel parameter.
- 6.6.4. Lower down the wheel guard and the wheel will automatically spin.
- 6.6.5. At the end of the spin the machine will automatically display imbalance values.
- 6.6.6. Lift up guard and manually rotate the wheel until all inner/outer imbalance position LED's are lit.
- 6.6.7. Position required balance weights and fix at the 12 o'clock position. Use foot brake to hold wheel in position.
- 6.6.8. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.6.9. If the test results are correct, remove wheel from shaft.
- 6.6.10. If the test results are incorrect, then repeat the process until correct.



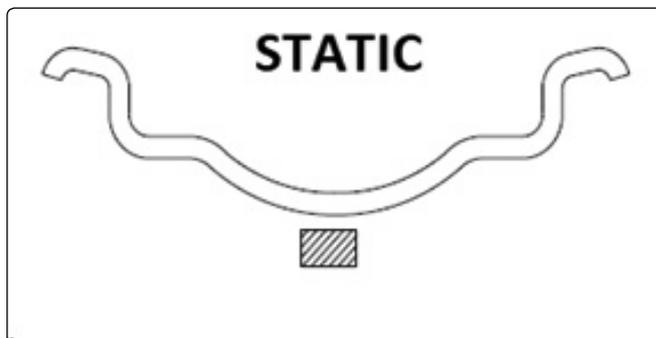
## 6.7. Operation ALS1 – Smart Aluminium Balance Mode

- The ALS1 Smart Balance Mode allows the operator to choose the position of where to stick the weights. The greater the distance between two weights positioning the more precise the balance results achieved.
- 6.7.1. Switch on machine and press P4 until ALS1 balance mode is selected on display.
  - 6.7.2. Pull out the Distance Measuring Arm and rest it against the inner rim face and hold until machine has registered measurement with a double beep. The left display screen will show di 1 and the right display screen will show distance value XXX. Continue to move the Distance Measuring Arm to the outer rim face for weight positioning. Hold it until machine automatically registered measurement with a double beep, then return arm back to home position. The left display screen will show di 2 and the right display screen will show distance value XXX.
  - 6.7.3. Lower down the wheel guard and the wheel will automatically spin.
  - 6.7.4. At the end of the spin the machine will automatically display imbalance values.
  - 6.7.5. Lift up guard and manually rotate the wheel until all inner imbalance position LED's are lit.
  - 6.7.6. Fix weight at the 12 o'clock position. Use foot brake to hold wheel in position. This is just for the first distance 1 (di 1) measurement.
  - 6.7.7. Press P2 for distance 2 (di 2) positioning. Display will show "SrC" left screen and "on" right screen.
  - 6.7.8. Manually rotate the wheel until all outer imbalance position LED's are lit. Use foot brake to hold wheel in position.
  - 6.7.9. Position stick on weights to Distance Measuring Arm.
  - 6.7.10. Pull out Distance Measuring Arm until the right display screen show PoS, plus a double beep is heard.
  - 6.7.11. Fix the stick on weights to inner wheel rim and return Distance Measuring Arm to home position.
  - 6.7.12. Once weights are fixed, lower down the guard and allow the test to start again.
  - 6.7.13. If the test results are correct, remove wheel from shaft.
  - 6.7.14. If the test results are incorrect, then repeat the process until correct.

## 6.8. Operation ALS2 – Smart Aluminium Balance Mode

- 6.8.1. Switch on machine and press P4 until ALS2 balance mode is selected on display.
- 6.8.2. Pull out the Distance Measuring Arm and rest it against the inner rim face and hold until machine has registered measurement with a double beep. The left display screen will show di 1 and the right display screen will show distance value XXX. Continue to move the Distance Measuring Arm to the outer rim face for weight positioning. Hold it until machine automatically registered measurement with a double beep, then return arm back to home position. The left display screen will show di 2 and the right display screen will show distance value XXX.
- 6.8.3. Lower down the wheel guard and the wheel will automatically spin.
- 6.8.4. At the end of the spin the machine will automatically display imbalance values.
- 6.8.5. Lift up guard and manually rotate the wheel until all left imbalance position LED's are lit.
- 6.8.6. Press P2 for distance 1 (di 1) positioning. Display will show "Ac9" left screen and "on" right screen.
- 6.8.7. Position stick on weights to Distance Measuring Arm.
- 6.8.8. Pull out Distance Measuring Arm until the left display screen show's DiL, plus a double beep is heard.
- 6.8.9. Fix the stick on weights to inner wheel rim and return Distance Measuring Arm to home position.
- 6.8.10. Manually rotate the wheel until all right imbalance position LED's are lit.
- 6.8.11. Position stick on weights to Distance Measuring Arm.
- 6.8.12. Pull out Distance Measuring Arm until the right display screen show's PoS, plus a double beep is heard.

- 6.8.13. Fix the stick on weights to inner wheel rim and return Distance Measuring Arm to home position.
- 6.8.14. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.8.15. If the test results are correct, remove wheel from shaft.
- 6.8.16. If the test results are incorrect, then repeat the process until correct.
- 6.9. **Operation ALS2 – Smart Aluminium Balance Mode**
- 6.9.1. Switch on machine and press P4 until ALS2 balance mode is selected on display.
- 6.9.2. Pull out the Distance Measuring Arm and rest it against the inner rim face and hold until machine has registered measurement with a double beep. The left display screen will show di 1 and the right display screen will show distance value XXX. Continue to move the Distance Measuring Arm to the outer rim face for weight positioning. Hold it until machine automatically registered measurement with a double beep, then return arm back to home position. The left display screen will show di 2 and the right display screen will show distance value XXX.
- 6.9.3. Lower down the wheel guard and the wheel will automatically spin.
- 6.9.4. At the end of the spin the machine will automatically display imbalance values.
- 6.9.5. Lift up guard and manually rotate the wheel until all left imbalance position LED's are lit.
- 6.9.6. Press P2 for distance 1 (di 1) positioning. Display will show "Ac9" left screen and "on" right screen.
- 6.9.7. Position stick on weights to Distance Measuring Arm.
- 6.9.8. Pull out Distance Measuring Arm until the left display screen show's DiL, plus a double beep is heard.
- 6.9.9. Fix the stick on weights to inner wheel rim and return Distance Measuring Arm to home position.
- 6.9.10. Manually rotate the wheel until all right imbalance position LED's are lit.
- 6.9.11. Position stick on weights to Distance Measuring Arm.
- 6.9.12. Pull out Distance Measuring Arm until the right display screen show's PoS, plus a double beep is heard.
- 6.9.13. Fix the stick on weights to inner wheel rim and return Distance Measuring Arm to home position.
- 6.9.14. Once weights are fixed, lower down the guard and allow the test to start again.
- 6.9.15. If the test results are correct, remove wheel from shaft.
- 6.9.16. If the test results are incorrect, then repeat the process until correct.
- 6.10. **Split Weight Function - Example in ALS2 mode.**
- The weight split function only works on outer rim where visible through the spokes.
- 6.10.1. Follow the programmed mode instructions. For this example we are using ASL2 mode.
- 6.10.2. The weight split only applies for the outer stick on weights when visible through the spokes.
- 6.10.3. When you are at the stage of sticking the weights on ASL2 mode outer rim, but the machine is telling you to position the weights in-between two spokes. Return Distance Measuring Arm back to home position.
- 6.10.4. You then activate Weight Split – F+P5 – Screen display ...in1
- 6.10.5. Pull out the Distance Arm to where the machine requires you to stick the weights.
- 6.10.6. Manually rotate the wheel until the Distance Arm head is hidden behind the nearest spoke.
- 6.10.7. Press P1 to confirm this positioning. Screen display will then show ...in2 for second positioning.
- 6.10.8. Manually rotate the wheel until the distance arm head is hidden behind the second nearest spoke. The two nearest spokes either side of where the machine originally wanted you to stick the weights.
- 6.10.9. Press P1 to confirm second position. Screen display (l - -).
- 6.10.10. Return distance arm to dock.
- 6.10.11. Apply the weight value to the Distance Measuring Arm head.
- 6.10.12. Pull out Distance Measuring Arm until you hear a beep and screen display show's PoS. Then apply weights.
- 6.10.13. Return Distance Measuring Arm back to home position.
- 6.10.14. Manually rotate wheel for second spoke positioning, make sure LED's are all lit on right side of control panel, screen display will show weight value.
- 6.10.15. Apply the weight value to the Distance Measuring Arm head.
- 6.10.16. Pull out Distance Measuring Arm until you here beep and screen display show's PoS. Then apply weights.
- 6.10.17. Return distance arm to dock and lower down wheel guard to start wheel spin.
- 6.10.18. If the test results are correct, remove wheel from shaft.
- 6.10.19. If the test results are incorrect, then repeat the process until correct.
- 6.11. **Static Function F+P2**
- This function is usually used when in motor cycle mode where the weights are applied to the centre of the wheel. If the rim width is less than 4.5inches, then the balancing can only be carried out in static mode. If the rim width is more than 4.5inch's then you can select ALU1 and Static mode but this would be rarely used.
- 6.11.1. Place wheel on balancing shaft and secure.
- 6.11.2. Select mode – Motor cycle + Static or ALU1 + Static - F+P2
- 6.11.3. Enter manually the distance, width and diameter of wheel.
- 6.11.4. Lower down the wheel guard and the wheel will automatically spin.
- 6.11.5. Screen display will give imbalance weight value.
- 6.11.6. Manually rotate the wheel until all right imbalance position LED's are lit.
- 6.11.7. Manually apply weight in the centre of the wheel at the 12o'clock position.
- 6.11.8. Lower down the wheel guard and the wheel will automatically spin.
- 6.11.9. If the test results are correct, remove wheel from shaft.
- 6.11.10. If the test results are incorrect, then repeat the process until correct.



## 6.12. Heavy Spot Function (F+P4)

- 6.12.1. This function is to help identify heavy spots in wheel/tyre and to help evenly balance these spots 180 degrees to each other. Usually comes into effect when the weight readings are over 100g. This function is rarely used, must be used in conjunction with a tyre changer. For alloy wheels only.
- 6.12.2. F+P4 – Screen Display – (oPt) – (-1-).
- 6.12.3. F+P4 – Screen Display – (\_n) - (h12).
- 6.12.4. Position tyre valve at 12 o'clock position – Mark tyre with chalk.
- 6.12.5. Press F4 – Screen Display – (GO) – Remove wheel from balancer at this stage.
- 6.12.6. Remove tyre from rim and re-position it 180 degrees to the tyre valve. Use chalk mark for reference.
- 6.12.7. Remount wheel on balancer and remove chalk mark from tyre wall.
- 6.12.8. Lower guard to engage wheel spin.
- 6.12.9. At the end of spin – Screen display – (\_n\_) – (h12) will be displayed
- 6.12.10. Rotate the wheel so that the tyre valve is at the 12 o'clock position and press P4 button.
- 6.12.11. Screen Display – (--1) – (h12)
- 6.12.12. Manually rotate the wheel until all right imbalance position LED's are lit and mark with chalk in the 12'clock position.
- 6.12.13. Remove the wheel from the machine, re-position the tyre so that the chalk mark is in line with the tyre valve.
- 6.12.14. Heavy spot function is finished, F+P4 to exit.

## 6.13. Two Operator Function

- 6.13.1. First operator needs to enter the three wheel dimensions - Distance, Width and Diameter.
- 6.13.2. Second operator - press F+P6 to activate.
- 6.13.3. Second operator needs to enter the three wheel dimensions - Distance, Width and Diameter.
- 6.13.4. Press F+P6 to activate and deactivate second operator when two people are using machine.

## 6.14. P1 KEY OPTION

- (Cal...dis) Stands for "Distance".
- (CAL...Lar) Stands for "Large". (This is not applicable for this model).
- (CAL...diA) Stands for "Diameter".
- (CAL...rET) Stands for "Return".

## 6.15. (FINE) READINGS BELOW 5 GRAMS

When you have an imbalance value the machine will round the value up or down to the nearest 5 grams. By pressing the F+P1 the screen will display the actual imbalance by the gram.

- 6.15.1. For example if the imbalance readings first shows 5g on left and 15g on right screen display.
- 6.15.2. Press F+P1 and the screen display will change to the exact imbalance which maybe 3g on left and 17g on right screen display.

## 7. ACCESSORIES



## 8. MAINTENANCE

- 8.1. Keep both the wheel balancer and the surrounding area clean and tidy.



#### ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



#### WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.

**Note:** It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

**Important:** No Liability is accepted for incorrect use of this product.

**Warranty:** Guarantee is 12 months from purchase date, proof of which is required for any claim.

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