

### Diameter and distance potentiometers - Calibration with code C80.

Service and test functions become accessible by simultaneously pressing and holding the C and the balancing mode keys and by rotating the main shaft.

... is read out for 1 second.

The left-hand reading is the voltage setting of the diameter potentiometer. The right-hand reading is the voltage setting of the distance potentiometer.

#### Step no. 1

Setting the diameter potentiometer:

Fit the cone adaptor. Pull out the gauge arm and apply the outer gauge head to the cone adaptor. Set the slider voltage of the diameter potentiometer to within 3.55 and 3.60 V.

Setting the distance potentiometer:

If the distance gauge arm is in left home position on the axial guide bushing and if the slider voltage of the distance potentiometer is not within a range of 4.25 to 4.30 Volt, turn the potentiometer shaft to bring the voltage to within this range.

Press the C key to store both values.

#### Step no. 2

Pull out the distance gauge arm by exactly 290 mm and press the C key to store the value.

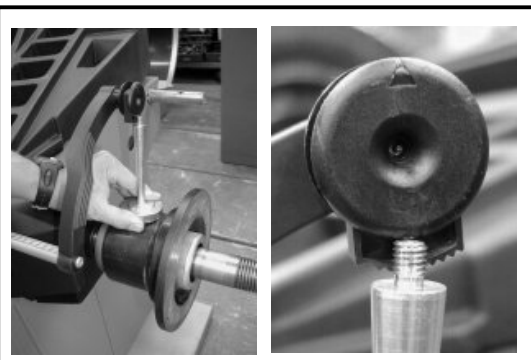
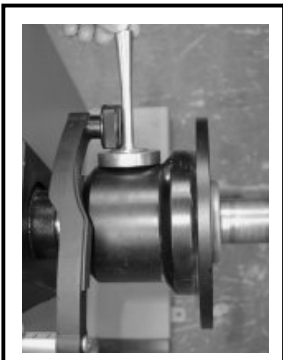
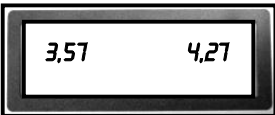
#### Step no. 3

Place the calibration weight on top of the cone adaptor, its threaded end point vertically upwards. Apply the diameter gauge arm to the outer collar of the calibration weight and press the C key to store the value.

#### Step no. 4

Next apply the diameter gauge head to the threaded end of the calibration weight and press the C key to store the value.

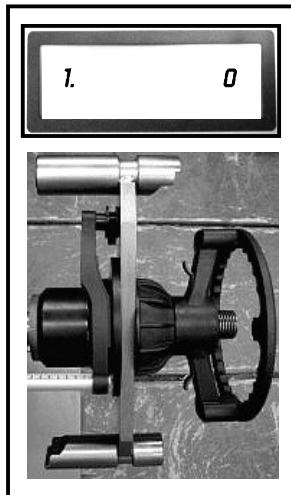
Calibration is completed and must be stored by entering C90.





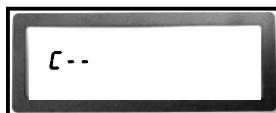
**Measuring adaptor flange and zero plane using code C81.**

Service and test functions become accessible by simultaneously pressing and holding the C and the balancing mode keys and by rotating the main shaft.



The following reading appears:

Apply the gauge arm on the contact surface of the test rotor and press the C key to store the value.



The following reading appears:

Calibration is completed and must be stored by entering C90.

**3 D SAPE Calibration of width gauge arm with code C82**

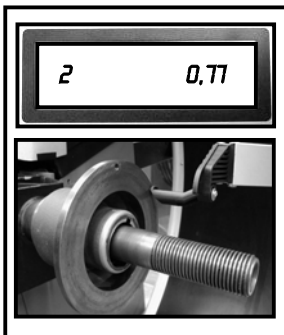
Service and test functions become accessible by simultaneously pressing and holding the C and the balancing mode keys and by rotating the main shaft.



If the width gauge arm is in right home position and if the slider voltage of the width potentiometer is not within a range of 4.25 to 4.30 Volt, turn the potentiometer shaft to bring the voltage to within this range. Press the C key to store the value.

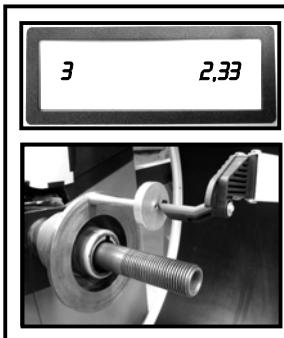


The following reading appears:



Apply the gauge head of the width gauge to the outer surface of the adaptor flange and press the C key to store the value.

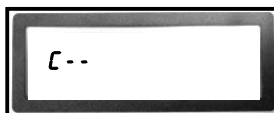
The following reading appears:



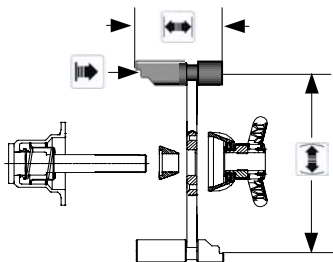
Insert the calibration weight supplied with the machine into the adaptor flange so that it protrudes to the right.

Apply the width gauge arm to the outer surface of the calibration weight and press the C key to store the value.

The following reading appears:



Calibration is completed and must be stored by entering C90.



**Code C83 – Calibration of unbalance measurement**

Clamp the test rotor, enter distance, 15" diameter and 6.5" width.



Service and test functions become accessible by simultaneously pressing and holding the C and the balancing mode keys and by rotating the main shaft. So press and hold the keys and rotate the main shaft until code C83 is read out. The calibration function is enabled as soon as the C and balancing mode keys are released.



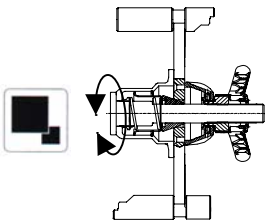
Then the following reading appears:

Press the START key to start a measuring run.

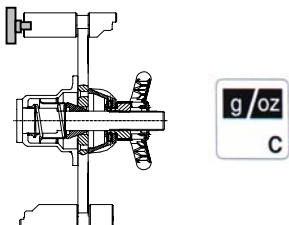


After the measuring run the following reading appears:

2 = step no. 2      100 = suggested calibration weight in grams



If necessary, press and hold the precision key and rotate the main shaft to set the actual weight.



Insert a calibration weight of 100 gms in the left-hand plane of the test rotor and press the C key to acknowledge this weight. Then proceed to the next step.

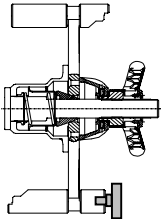


The following reading appears:

Press the START key to start a measuring run.



After the measuring run the following reading appears:



Remove the 100 gm calibration weight from the left-hand plane of the test rotor and insert it into the right-hand plane of the test rotor. Then press the START key.



After the measuring run the following reading appears:

Press the C key.



The following reading appears:

The ambient transducer temperature is read out for 1 second.



After temperature measurement the following reading appears:

Remove the 100 gm calibration weight from the test rotor. Press the START key in order to proceed with instantaneous electrical compensation of residual adaptor unbalance.



After the measuring run the following reading appears:

Insert the calibration weight supplied with the machine at the **left inner** side of the adaptor flange. Press the START key.



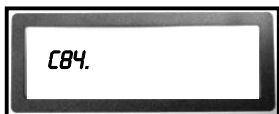
The following reading appears:

Calibration is completed and must be stored by entering C90.

**Calibration of residual unbalance of main shaft  
and drive pulley using code C84**



Service and test functions become accessible by simultaneously pressing and holding the C and the balancing mode keys and by rotating the main shaft.

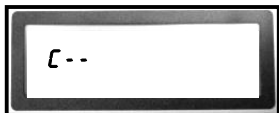


The following reading appears for one second:



Then the following reading appears:

Press the START key to start a measuring run.

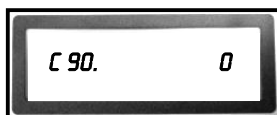


Then the following reading appears:

Calibration is completed and must be stored by entering C90.

### Storing calibration data with code C90

Service and test functions become accessible by simultaneously pressing and holding the C and the balancing mode keys and by rotating the main shaft.



The following reading appears:

Press the precision key and rotate the main shaft to set 1.



The following reading appears:

Press the C key to complete calibration.



The following reading appears:

Press the STOP key to quit the service mode.