

WHEEL BALANCER

***READ THIS ENTIRE MANUAL
BEFORE OPERATION BEGINS***

**RECORD HERE THE FOLLOWING INFORMATION
WHICH IS LOCATED
ON THE SERIAL NUMBER DATA PLATE**

Serial No. _____

Model No. _____

Manufacturing date. _____

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IMPORTANT SAFETY INSTRUCTIONS

Read these safety instructions entirely!

Read and understand all safety instructions before operating machine

Precaution in installation and operation

*Don't place the detector in an extreme hot or cold condition, and avoid setting the machine close to the heating radiator, tap, air humidifier and stoves.

*Don't place the detector near the window under the direct sunshine .In case of inevitable, the window curtain, shield and hood should be used to shade the detector.

*No contact of the machine is allowed with dust, ammonium, alcohol, diluents and pulverized adhesive, etc.

*The detector should be installed on a leveled ground.

*Never place it close to the air compressor or any substance that may generate vibration.

*During the operation don't close to the detector unless the operator.

*The dynamic balance detector should use separated power socket. Don't connect any other wire in this socket.

Attention must be paid to the reliable grounding, if there is no grounding connection in the socket, it must be added before connect with the power source.

*The wire line of dynamic balance detector should be prevented from stepping on.

*A space of 50 cm width should be left between the wall and detector to ensure the ventilation for heat. Spaces also should be left on the left and right sides of the machine for operator to operate the machine without obstacle.

*Contact with the special service man for maintenance before you have to move the dynamic balance detector.

Call your attention to the following problems

*Never dismount or refit the dynamic balance detector by yourself.

*The part of rotational shaft should be prevented from any strike.

*The dynamic balance detector can be restarted only 5 seconds later after shut down.

*On the top of dynamic balance detector never put many heavy substances.

*Please refer the content of self-calibration in case of abnormal operation .Cut off the power supply and pull out the plug immediately, if the noise, smoke or any other accidents take place suddenly, then inform the relevant service man.

*In front of the power socket of the dynamic balance detector, space must be left so that you can rapidly pull out the plug.

*The dynamic balance detector can't be used beyond the scope of its functions stipulated in the manual.

1. Technical Data

Max. wheel weight	70kg
Cycle time	<10s
Power supply	220V/110V 50/60HZ
Working temperature	-5°C-----50°C
Balancing function	DYNAMIC、STA、ALU1、ALU2、ALU3
Balancing precision	1g
Rim diameter	10"---24"
Rim width	1.5"---20"
Net weight	150kg

2. The balance weight plumb (block) used in the detector

2.1 Stacked package of balance weight plumb.

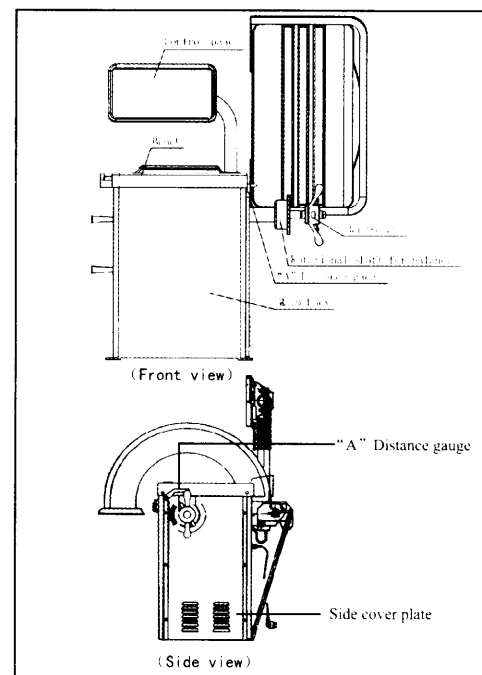
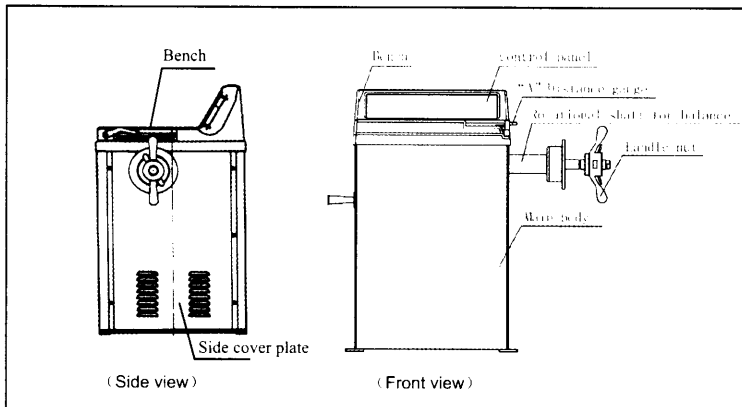
(Ordinary steel rim section and aluminum alloy rim section)

2.2 Stuck balance weight plumb.

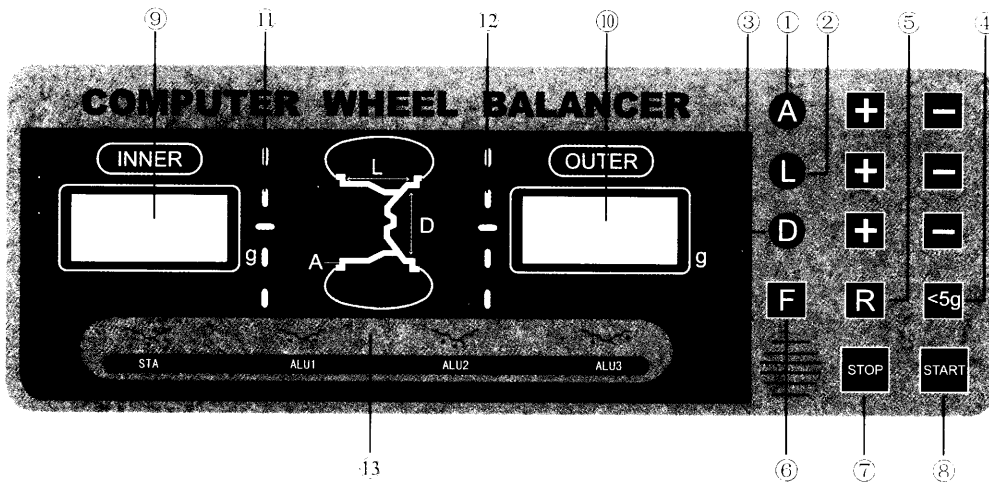
(Aluminum alloy rim section)








Note: The errors in balance weight plumb directly affect the tested result of the detector.

3. Main components of CB series dynamic balance detector



4. Knobs and indicator Lamps on Controlling Panel



1. **A** Distance setting knob. Press down **+** **-** to adjust the setted distance value on indicator 
2. **L** Width setting knob. Press down **+** **-** to adjust the setted width value on indicator. 
3. **D** Dia setting knob. Press down **+** **-** to adjust the setted Dia value on indicator. 
4. **<5g** High precision balance knob. Indicator  displavs " 00 " when unbalance<5g,press down this knob to show the left unbalance value.
5. **R** Knob for automatically test the inputting value.
6. **F** Knob for static balance and selecting the position & mode of ALU balancing block.
7. **STOP** Knob for emergency shut down.
8. **START** Starting knob.
- 9.10.  Value display indicator.
- 11.12.  Positioning lamp for unbalance point.
13.  Balancing block mode indicating lamp.