Advanced technology

Remarkable quality

Perfect service

KT-B795L

Micro-computerized automatic super wheel balancer

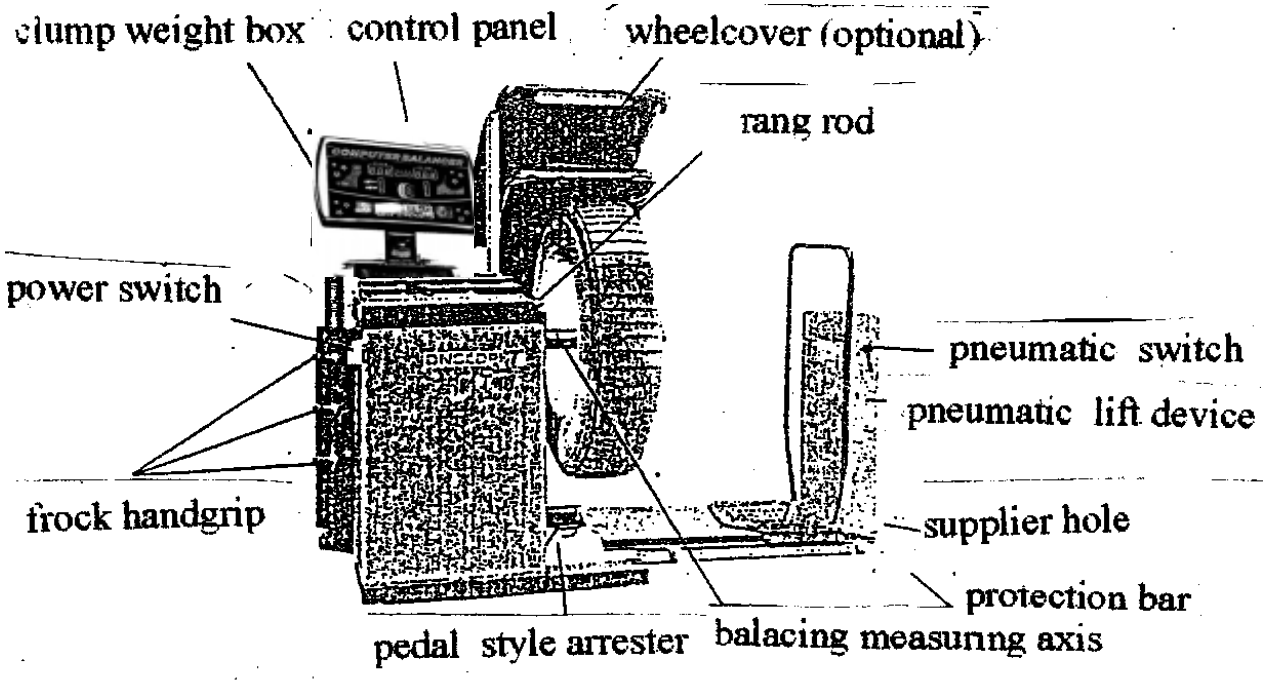
Operation instructions

Yingkou China

Catalogue

Balancer introduction

1、Brief appearance introduction



、 Characteristic and function

(1)、The balancer is equipped with micro-computered system composed of import large-scale integrated circuit , advanced intelligence and excellent stability.Equipped with additional weight optimize program.

(2)、The principal axis is adopted import bearing and it is precision-machined .Abrasion endurable and low noise.

(3)、Most advanced electricity powered system with excellent stability in 21 century.

(4)、Automatic dynamic balancing and stable balance check function.

(5)、With balancing three kinds of aluminum alloy rims function.

(6)、Average balancing precision reaching ± 1g and average time shortening to 8 seconds per time.

(7)、Equipped with built in pneumatic lift divice and central plate wheel equipped with bolts and international standard clamp.

(8)、Equipped with pedal style orientation arrester with stable position and convenient weight.

(9)、Self-checking and automatic handicap diagnosis.

3、Technical data chart

Application range	Automobile maintain factory/ transportion company / logistics / professional tyre service
Width of steel cycle	38.1-508mm
Dameter of steel cycle	330.2-609mm
Max.diam.of wheel	1300mm
Max.weight of wheel	150kg
Measurement time	8 seconds per time
Running environment	0 ℃ -45 ℃
Occupying acreage (length multiply width)about	3000 X 2500mm
Power supply	220V or 380V (optional)
Running noise	≤ 65dB
Net weight of machine	240kg

Balancer usage

(1)、Attention of point before usage

Raising bottom of balancer when transiting the machine , in no case can raise the principal axis.

Eusure enough space when tyre balancer and built in pneumatic lift device on balanced ground (riveted with expand nails), instability will cause balance error.

Leakage of electrocity protection device when external connected electricity power, the case must touch the ground .(the line touched with the gound on the back of the machine .

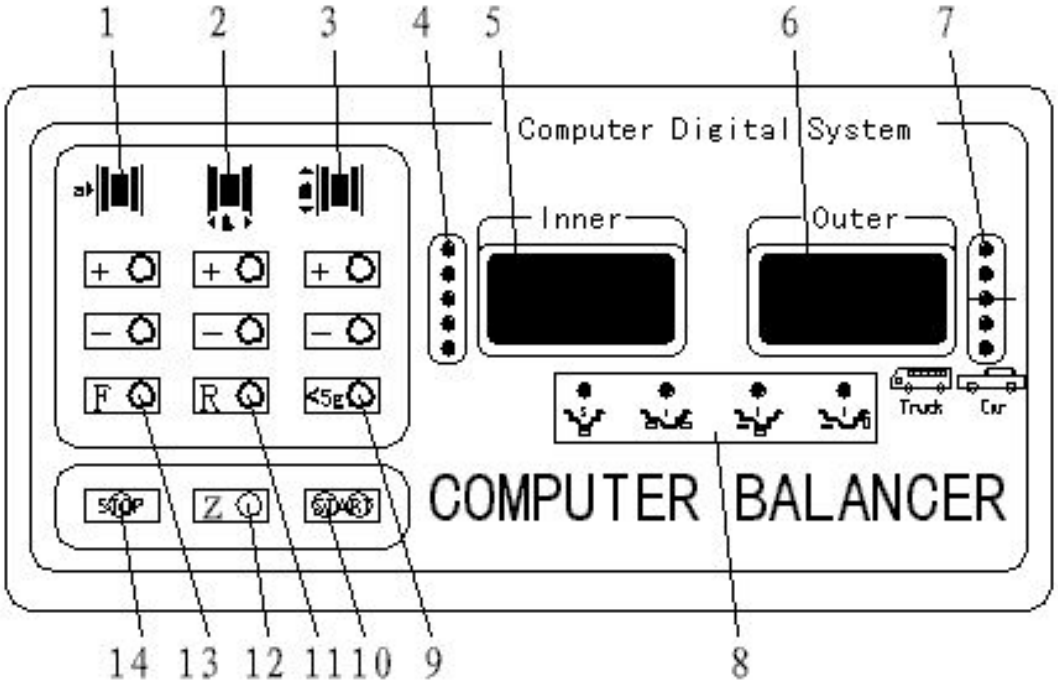
No wet environment will be permitted otherwise damaged the machine .

When installing the master screw onto the axis ,please first make the axis's and master screw's surface clean with alcohol or oil , then make the master screw to

connect the axis with the wrench and make them fasten.
During the balance , make the samall tyre to choose the appropriate cone , then lock the tyre with cone and nuts.(the tyre's internal side closes with the case)
When balancing the hypical tyre , first rivet the axis with the clean matching unit ,measure the distance between the two center holes and choose to make certain the central cycle's bolt hole, finish doing the bolt ,then can install the tyre.
When you are installing the big type tyre ,you can install it assistantly with built in pneumatic lift device.
After finish assorting the matching unit of the axis position with the tyre , button up the central cycle with bolts ,then lock the tyre with nuts.
The exterior supplier with the built in pneumatic lift device must ensure 0.8Mpa or so.(handle with the pneumatic switch, raise up or drop)

(Any ambiguous glossary may be found in appearance introduction and asscessories)

Control panel instruction



1)、Distance input key (A) between wheel and balance

2)、Width input key(L) of rim

3)、Diameter input key(d) of rim

4)、Imbalance position display of the wheel's internal edge.

5)、Imbalance volume display of the wheel's internal edge.

6)、Imbalance position display of the wheel's extermal edge.

7)、Imbalance volume display of the wheel's extermal edge.

8)、Balance style volume display

9)、High precision balancing key

10)、Open key

11)、Reposition and adjust-ment key(R)

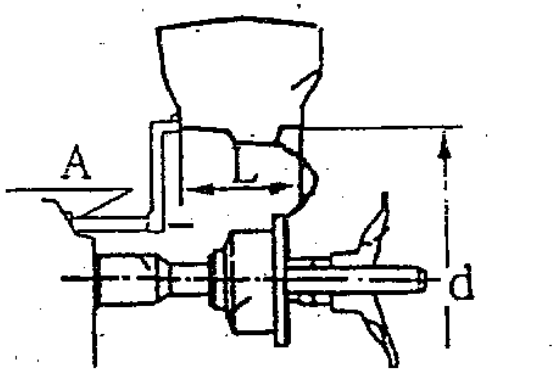
12)、Conversion key(Z) vehicle between big type and small type

13)、Balancing style selection key (F)

14)、Emergency exit key

With 3g、7g error will emerge occasionally ,which won't affect balancing effect of machine.

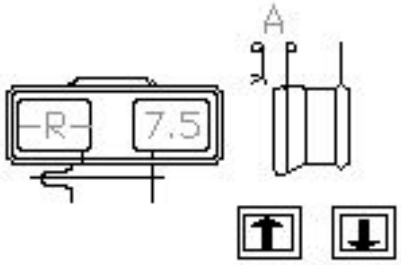
(2)、Connection of electricity power & data input

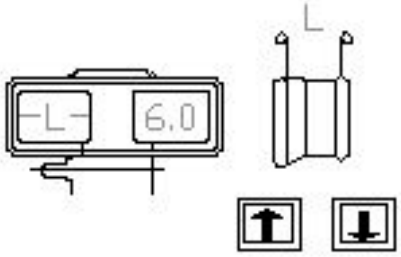


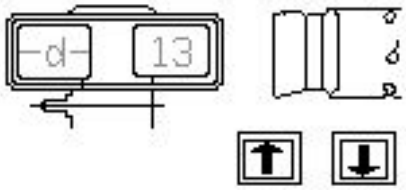
input size sketch map

1)、Connection of electricity power

Open electricity power and display main-board will display computer memory marked as "001 ", after seconds will display "A"-"8.0" means normal running of machine . Beginning wheel's size setup input and input methods. Please see the following instruction (attention :each time balancing machine will automatically design as balancing work situation)







2)、Input size

For example : When you are testing the grand rims of the "Santana"brand, you can see also the frontal sketch map , use the pull ruler with the machine to measure the distance between the machine and the tyre, A=7.5cm

Press " ↑ " increase number

Press " ↓ " decrease number

Use the callipers with the machine to measure the width of the tyre ,you can see also the sketch map, L=6.0 inches

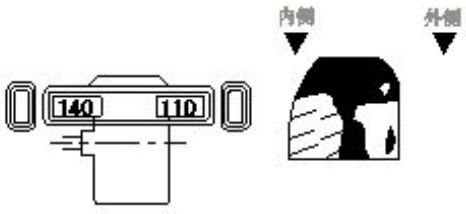
Press" ↑ "increase number

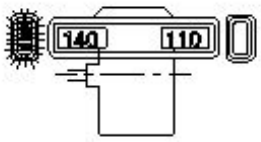
Press" ↓ "decrease number

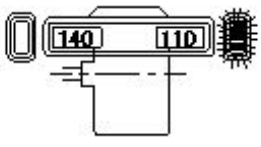
This size is the caliber of the tyre ,you needn't to measure , see the tyre's model"185/70R13", as follow, d = 13inches.

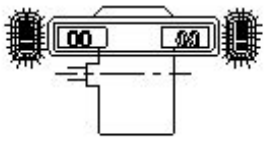
Press" ↑ "increase number.

Press" ↓ "decrease number.









(3)、Balancing example

1)、Press "START", after 8 seconds , automatic brake display as following picture:

"140" is the tyre's internal error value.

"110" is the tyre's external error value.

2)、Turn the wheel , make all the internal indicator lights shine and just on the top of the direction which is perpendicular to the

axis ,you should beat 140g quadrat against the steel wheel.(You can get assistant by padal style arrester, level off the tyre), see picture:

3)、 At this time internal display window display "00".

Turn the wheel again, make all the exte rnal indicator lights shine and just on the top of the direction which is perpendicular to the axis ,you should beat 110g quadrat against the steel wheel. see picture:

4)、 At this time external display window display "00".balance finished and discharge tyre. you needn't shut down the electricity power when continued tyre test.

(4)、Caution and experience

Caution : when connected electricity power ,you can push the wheel by your hand , which assist running machine and prolong machine usage.
Because of balance angle error ,you need to feel about the balancer wheel
by yourself. When looking for the balance point ,you need to notice more
accurate which turn towards to the external dretion or the internal diretion.
After finishing balancing and discharge tyre ,please take care and don't

Balancing experience

When display figure is less than 50g, you can inject the quadrat from both sides to balance.

When display figure is more than 50g , you can inject the quadrat from single side, ie, from balancing value larger side to "00",then balance from another side to "00".

When left small part of the quadrat ,it's because of error of position of the quadrat. You can solve the problem by moving the quadrat about 1-4cm.

When coming to "00"-"00", occasionally it appears 5、6、7g , ,which is

conceived to be normal . Precision of the machine is 5g ,ie, all figure below 4g is zero. It's allowed to have variation with 3g , and occasional error of

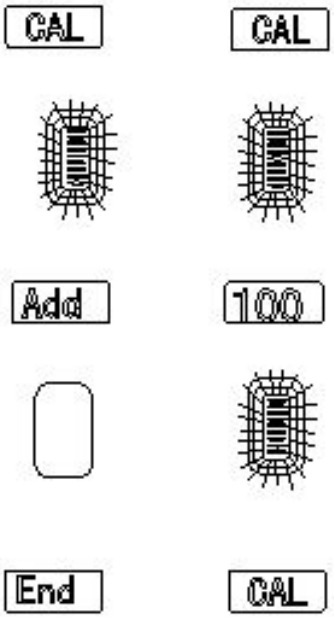
Reference: the experience is for reference. Users will better use our machine only after your own experience and being

7g won't affect balancing effect.

When error happens or it can't reach "00" , you can "self-checking",machine (restoring standard process is as follows).

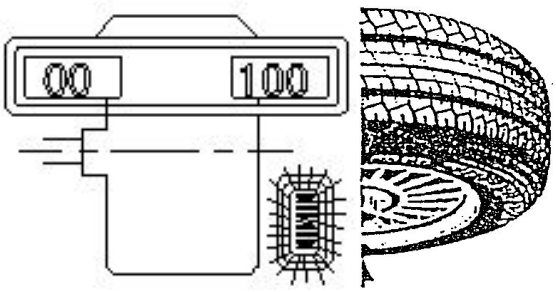
Self-checking

Self-checking has been finished in our factory. Long-time abrasion or component exchange or doubt for error of balancing will make you self-checking. (Please choose arbitrarily a middle type tyre and install it to the principal axis ,on the both sides of the wheel , imbalance volume less steel ring with from 13" to 14").



Please input the proper data of A、L、D of the tyre . Press key R, after half of a second and press key START simultaneously, on board it will display "CAL"-"CAL",after display light is off you can leave go of the key.

Press key START, and wheel will circumrotate and automatically brake . When it displays "ADD" - "100" on board ,you can add 100g back balance on any place of external edge of the wheel.



Press key START, wheel will circumrotate and automatically brake . When it dispalys " END"-"ACL" on board . self-checking will finish.

Press key START and stop after 8 seconds,figure will display on board.This step is todirectly observe success of self-checking orno.

After finishing balancing tyre self-checking,

it display data disposed volume"00"-"100"(± 4g),when all the external indicator lights shine,100g quadrat is put on the right inferior of the principal axis(it allows 4 ° error) , it explains the phase angle is accurate.

Caution: improper input data will result in improper caliber measurment and following mistakes.

Self-checking standard:

1、Dispaly proper data.

2、Dispaly proper the phase (ie, when all the external indicator lights shine,100g quadrat is put on the right inferior of the principal axis.

Problems emerging after self-checking

★ Resulting displayed proves to be successful but the phase is not proper or with much error .Error phenomenon: after injecting the quadratm, its value isn't reduce, its reason usually the memory is damaged. Rechange it.

★ It displays "ERR"(It displays ERR.-8- on this machine's screen).

1）、Problems with computer board.

2)、Transducer line is broke.

★ Displayed deviation is within 10g (unaffected)

1）、Usually, it's because of improper of 100g quadrat.

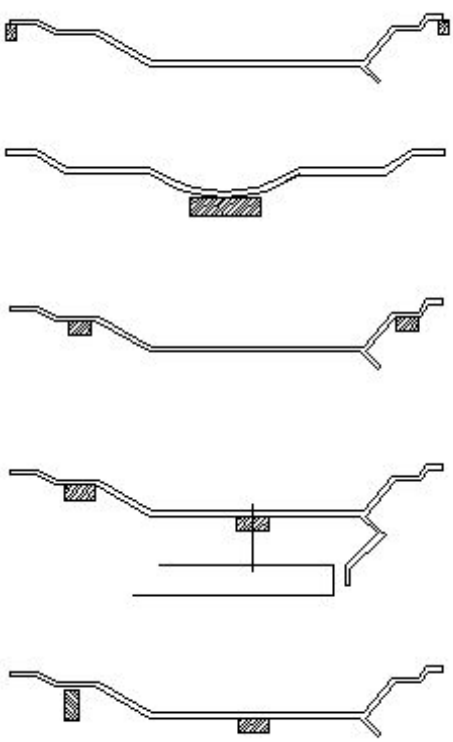
2)、If the rim is not regular ,you can take the quadrat and inject it again on the plane of symmetry. then get the average of the two time volumes to compare.

★ Don't proofread beacause of incorrect technique, your figure can little energize. It's subject to half one second , your two figures' s time difference.

★ Displayed deviation and much change data is because of damage of computer board or transducer.

Automatic handicap diagnosis

ERR1(Err.-1-) phase generator or computer board damaged ,to be replaced.
ERR2(Err.-2-) speed of transition is not enough or unequipped with wheel (with tyre)
ERR3(Err.-3-)unbalancing of wheel is too much and wheel should be replaced.
ERR4(Err.-4-)there is problem with electricity power or improper of transition direction, you can solove the problem by exchanging two of them at discretion.
ERR5(Err.-5-) insignificant.
ERR7(Err.-7-) memory damaged or signal lost ,self-checking or replace it.
ERR8(Err.-8-) improper process of self-checking or computer board, transducer damaged.



Balancing method selection

According to wheel's material and rim's structure , you can the following styles , continuously press key"F" ,it can display all kinds of balaning
styles which are needed by different structures and material rims.
Dynamic balancing:Normal-dynamic balancing steel style light alloy rim adopts the method which added back balance upper and lower edge of rim.
Dynamic balancing:Normal-when dynamic balancing revises can't adopt the method which

added back balance for motorcycle or both of rim,it can be adopted.
ALU1-balancing light alloy rim adopts the method which conglutinated back balance onto the two shoulders of rim.
ALU2-balancing light alloy rim adopts the method which conglutinated back balance to hide inside of rim.
ALU3-inside track is nipped back balance, outside of rim is conglutinated addutional blocks.(position of back balance outside of rim as ALU2)

Accessories

The whole set of balancers and accessories's names

Caution: when opening computer ,it automatically set balancing state . you needn't press key F.

1、Master screw connected with axis	1 piece
2、Plastic callipers	1 piece
3、Balancing pliers	1 piece
4、Packing list 、 certificate of quality 、 guarantee card	1 set
5、Cone (range : 45mm- 190mm)	3 pieces
6、Nut	1 piece
7、Central plate wheel with bolts	1 piece
8、Matching unit out of axis	1 piece

Center hole diameter × bolt hole
(ϕ 214 × 8、 ϕ 221 × 8、 ϕ 221 × 10、 ϕ 281 × 10)

Packing list

Type	KT-B795L
Name	Micro-computerized Automatic Super Wheel Balancer
Number of thefuselage	NO.
Manufacturer	
Maintenance telephone	

Ordinal number	Name	Quantity /sets	Remark
1	main machine	1 set	
2	Manual and guaranteeing the card	1 roup	
3	Packing list	1 piece	
4	Certificate of quality	1 piece	
5			
6			
7			
8			
9			
10			

KT-B795L

Micro-computerized Auto Super Wheel Balancer

Certificate of quality

This production is accord with our enterprise standard, and through examining qualified to be dispatched from the factory.

The inspector signs (stamp):

Date:

The Guarantee card

The customer please fill in the following content and keep this card properly after purchasing machine, so that we offer theperfect after-sale service to you, please readthe clause of guaranteeing carefully beforeusing.

type：_____

Number of the fuselage：_____

Number of the invoice：_____

Date of purchasing machine：_____

Name of user：_____

Address：_____

Postcode：_____

Telephone number：_____

Micro-computerized Automatic Super Wheel Balancer

Thank you very much for selecting the products of our company for use, this product is a special equipment, it is superior in design, adopts import high-quality device mainly, should be able to give play to its superior function under using and maintaining normally.

1、From this machine buys by oneself on the day when buys in one year, if the damage that any reason manufacturing technology or the components and parts quality cause happens, our company will offer free service of maintaining to hold card users, will collect the fee of material while needing to change the accessories in over one year.

2、It is subject to that what the distributor drew purchases machine on the invoice or receipt date to buy time, it can be effective that this card must be used with the invoice in the lump, if alter it will lose efficiency immediately

3、Guarantee will lose efficiency in the following situations, but offer service of maintaining, collect the maintenance cost :

！Everything is damaged artificially, including use under the non-normal working environment and use don’t in accordance with the manual and cause damage etc. act..

！Customers dismantle machine, maintain, repack without permission, or some unit without our company authorize to maintain.

！Damage caused because of bad transportation after buying

！The damage caused by some other force majeure (such as floods, fire, striking by lightning, earthquake) causes

4、The modification right and power of interpretation of the above clause belong to our company.

5、Other unaccomplished matters, carry out according to the relevant regulations of the People's Republic of China.