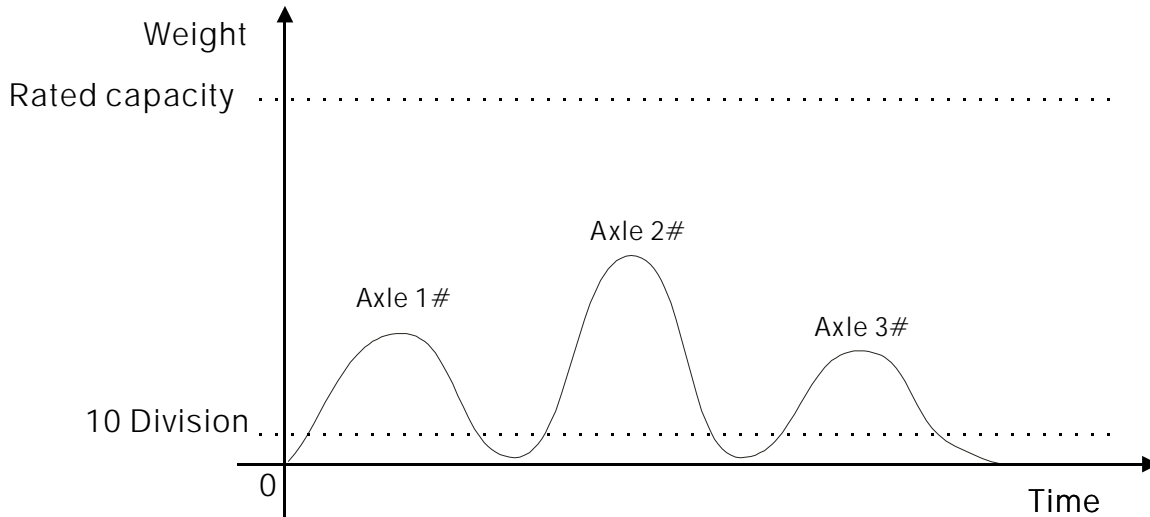


# Axle Weight System the theory & the Calibration Settings



## Working steps:

1. Click Save/New to start a new recoding/testing;
2. The Traffic light will be Green, this means the system is ready;
3. The Camera will take a picture for the truck once it passed the infrared device;
4. The Ground antenna will test the truck if it is staying;
5. The platform scale will keep the peak value and situation for every axle;
6. Calculating and listing every weight with axle, then total them;
7. Fill the necessary items for recoding then Save/New.

## Calibration Settings(For PC):

1. Connection;
2. Checking everything;
3. Turning on the Computer;
4. Setting Zero without any weight on the scale;
5. Calibration for the scale with a known weight;
6. Calibration and Setting the situation bar;
7. Setting the division to define the limen(10 divisions) for judging one of axles is passed.

## Calibration Settings(For Indicator):

1. Connection;
2. Checking everything;
3. Turning on the Computer;
4. Setting Zero without any weight on the scale;
5. Calibration for the scale with a known weight;
6. Calibration and Setting the situation bar;
7. Setting the division to define the limen(10 divisions) for judging one of axles is passed.

# Axle Weight System the theory & the Calibration Settings



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## Specific calibration method(For Indicator):

- 1.First turn on the Calibration switch and then Press the **【Calibration】** key and you will see ‘dno\*\*’ ;
- 2.Set Sensors No.:  
Press **【1】** if the No. of sensors connected are 1 , then press **【Enter】**  
If you enter a wrong No,you will see ‘Err11’ ;
- 3.Set dividing value:  
you will see ‘E \*\*\*’ . you can choose one value from 7 value(1/2/5/10/20/50/100), e.g. press **【1】 【0】** and then press **【Enter】** ;
- 4.Set Decimal digits:  
you will see ‘dc \*’ .you can choose from 0 to 4. e.g.press **【0】** and then press **【Enter】** ;
- 5.Set System parameters:  
you will see ‘Pn VWXYZ’ . (V:The usage situation,W:Filter parameter,X:Zero tracking range,Y:Zero range,Z:Zero range while power on) .e.g. Enter ‘Pn00124’ .  
And then press **【Enter】** ;
- 6.Set Filtering strength:  
you will see ‘FLT \*’ you can choose from 0 to 3. e.g.Press **【1】** (The greater the No. is more stable weight,while reaction speed lower)and then press **【Enter】**
- 7.Set Full range value:  
you will see ‘F \*\*\*\*\*’ .If you need to calibration enter the value then press **【Enter】** ,else direct press **【Enter】** ,and go to step10;
- 8.Zero confirm:  
you will see ‘noloAd’ .Now Keep no-load on the scale,then press **【Enter】** after stable sign lights;
- 9.Calibration:  
you will see ‘AloAd1’ .Now enter the value of the Weight on the scale ,then press **【Enter】** after stable sign lights;
- 10.Display calibration parameters:  
you will see ‘C \*\*\*\*\*’ if you need not to Modification parameter,now press **【W-eight】** and Exit the calibration status,else press **【Enter】** ;
- 11.Address:  
you will see ‘Adr \*\*’ .you can choose from 01 to 26. E.g.press **【1】** and then press **【Enter】** ;
- 12.Set Baud rate :  
you will see ‘bt \*’ .you can choose from 0 to 4(0:600,1:1200,2:2400,3:4800,4:9600). e.g.press **【2】** (Remote Displayer) or press **【4】** (Benui Software).then press **【Enter】** ;
- 13.Set Communication,  
you will see ‘tF \*’ .you can choose 0 or 1(0:Continuous transmission mode(Remote Displayer),1:Command response mode(Benui Software)).e.g.press **【0】** and then press **【Enter】** ;
- 14.After the above steps completed,it will Back to weighing mode. Now turn off the Calibration switch; .