Portable Axle weighing scale

GPWA01

GPWB01

* For both Static Weighing & In-Motion Weighing
* High-definitionTouch Screen
* With high speed thermal Printer
* Standby working 40 hours battery with auto switch off function
* Running on Windows CE 6.0 system with good compatibility
* FREEProgram upgrade.
* 2 Channels system as default
* 4 / 6 / 8 channels system are optional
* RS232, USB 2.0 as default (on Wireless edition USB 2.0 & WIFI as default).
  Blue tooth & USB 3.0 are
* 30 meters orking distance for ireless ersion
* UnlimitedRecords stored.
* Each Wheel Weight
* Each Axle Weight
* Total truck weight
* Excel, text or Database file output
* Multiple Languages Supported (Default: English and Chinese. Other languages are optional if required. If require other language, please send the tranlsation to us.)
* 30meters working distance for wireless version.
* Starting LOGO is customized
* SMS message, iOS application, Android application are optional
* 8" screen as default, 10", 13" screen are optional

Features

1. High intension aluminum alloy raw material, light to carry.
2. Water proof. It can be used even in the water with IP68 protection.
3. Multiple seal protection for tough working environment such as Stone Breaking Factory, Sand Carrier, Construction Site, etc.
4. Stain gauge based with high Weighing In-Motion accuracy.
5. Wide weighing pads even can carry one axle with 3 wheels.
6. Build-in Over load detector with 300% overload protection.
7. Build-in Cable protector to avoid error when cable is broken.
8. Build-in anti-electromagnetic interference to mak esure weighing result would not be influenced.
9. Build-in auto compensation system to compensate weighing error on double joint axle or triple joint axle.
10. 2 years warranty on non-human damage.

Please Note: The dimension of pads, weighing capability and cable length are all customizable in case of necessary.
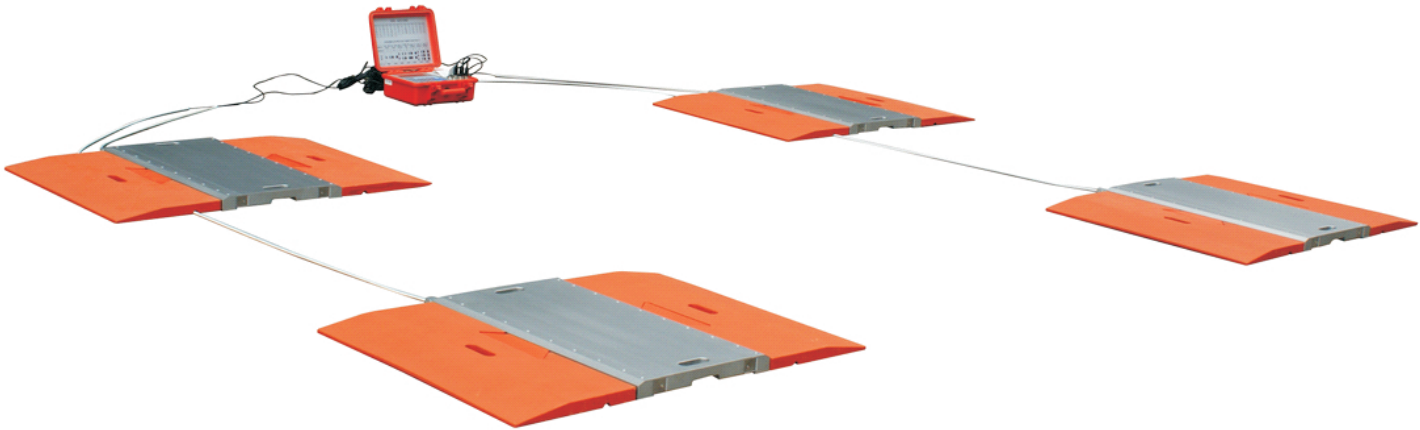
Size Specification

Each Pad Dimension	Each Ramp Dimension	Max Axle Capability (2 Pads) (TON)	Details
700x430x30mm	700x350mm	≤40	Load cell:Pad is load cell, strain gauge inside. In-Motion Speed: ≤5km/h.
800x430x30mm	800x350mm	≤45	
800x550x45mm	800x350mm	≤50	

Parameter Specification

Weighing Capability	Wheel Weight ≤25 TON		Temperature Compensation Range	-10~+50℃
	Axle Weight ≤50 TON		Sensitive Influence by Temperature	0.1%/10℃
	Whole Truck Weight ≤ 1000 TON (Maximum 7 axles per truck)		Zero Temperature Influence	0.1%/10℃
Static Accuracy	±0.07%	In-Motion Accuracy ±3.5%	Excitation Voltage	20V (DC)
Sensitive	1±0.2 MV/V	Nonlinearity ≤0.20%	Insulation Resistance	≥5000 MΩ (100VDC)
Repeatability	≤0.01%FS	Zero Output 4~10%	Working Temperature	-40~+80℃
Input Impedance	3120±40Ω	Output Impedance 2800±10Ω	Overload Protection	300%

Portable Axle weighing scale

GPWA02

GPWB01

* For both Static Weighing & In-Motion Weighing
*High-definitionTouch Screen
*With high speed thermal Printer
*Standby working 40 hours battery with auto switch off function
*Running on Windows CE 6.0 system with good compatibility
* FREEProgram upgrade.
*2 Channels system as default
*4 / 6 / 8 channels system are optional
*RS232, USB 2.0 as default (on Wireless edition USB 2.0 & WIFI as default).
  Blue tooth & USB 3.0 are
*30 meters orking distance for ireless ersion
* UnlimitedRecords stored.
*Each Wheel Weight
*Each Axle Weight
*Total truck weight
*Excel, text or Database file output
*Multiple Languages Supported (Default: English and Chinese. Other languages are optional if required. If
require other language, please send the tranlsation to us.)
* 30meters working distance for wireless version.
*Starting LOGO is customized
*SMS message, iOS application, Android application are optional
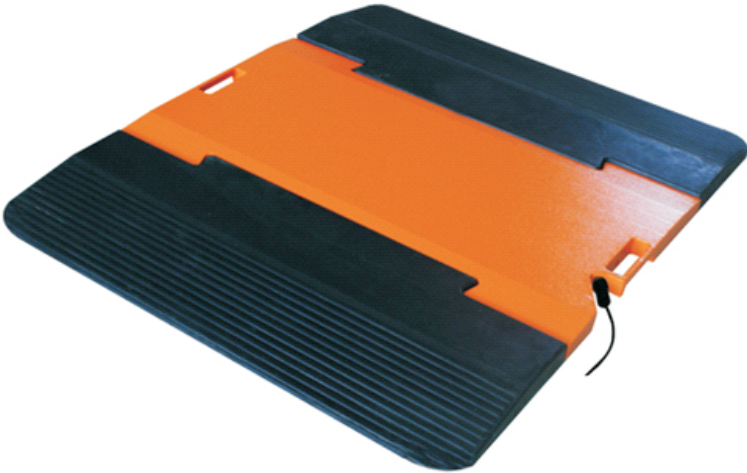*8" screen as default, 10", 13" screen are optional

Features

1.High intension aluminum alloy raw material, light to carry.
2.Water proof. It can be used in raining or snowing environment..
3.Seal protection for nromal working environment such as Standard
Concrete Road,Flat Construction Site, High Way check,etc.
4.Load cell based with high Weighing In-Motion accuracy and OIML
Standard Static accuracy.
5.Wide weighing pads even can carry one axle with 4 wheels.
6.Load cell over load protection with 120% overload protection.
7.Build-in Cable protector to avoid error when cable is broken.
8.Build-in anti-electromagnetic interference to make sure weighing
result would not be influenced.
9.Build-in auto compensation system to compensate weighing error
on double joint axle or triple joint axle.
10.2 years warranty on non-human damage.

Please Note: The dimension of pads, weighing capability and cable length are all customizable in case of necessary.

Size Specification

Each Pad Dimension	Each Ramp Dimension	Max Axle Capability (2 Pads) (TON)	Details
400x300x40mm	400x250mm	≤10	Load cell:6 of HOLIYBS load cell.
400x500x40mm	400x250mm	≤20	(in 300x400 dimension,there are
700x450x40mm	700x350mm	≤30	4 load cells installed)
800x450x40mm	800x350mm	≤30	
900x500x40mm	900x350mm	≤40	

Parameter Specification

Weighing Capability	Wheel Weight ≤20 TON		Temperature Compensation Range	-10~+50℃
	Axle Weight ≤40 TON		Sensitive Influence by Temperature	0.1%/10℃
	Whole Truck Weight ≤ 1000 TON (Maximum 7 axles per truck)		Zero Temperature Influence	0.1%/10℃
Static Accuracy	±0.07%	In-Motion Accuracy	±3.5%	Excitation Voltage	20V (DC)
Sensitive	1±0.2 MV/V	Nonlinearity	≤0.20%	Insulation Resistance	≥5000 MΩ (100VDC)
Repeatability	≤0.01%FS	Zero Output	4~10%	Working Temperature	-40~+80℃
Input Impedance	120±10Ω	Output Impedance	2800±10Ω	Overload Protection	120%

Portable Axle weighing scale
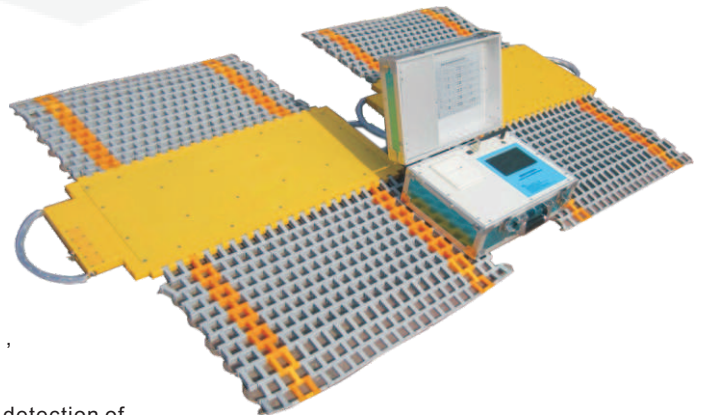
GALOCE

GPWA05

DESCRIPTION ///

Material: Aluminum Alloy

Application: For In-motion Weighing

Feature: Thin platform, light to carry

With the structure of multiple sealed sensors embedded

in the bottom of high-strength aluminum alloy weighing platform ,

high precision, excellent sealing effect.

Mainly used for highway traffic management and vehicle weight detection of

non-commercial logistics vehicles.

Product accessory		
Two wireless weighing platform	A wireless instrument	Standard accessory （Charger, printing paper, ribbon, etc.）
Note: the other accessories are subject to the product packing list!		

FUNCTIONAL CHARACTERISTICS ///

- Rated Capacity:① Wheel weight≤20Ton ②Axle weight ≤40Ton ③Whole truck   weight≤1000Ton
- Dynamic composite error: ±3.0%(≤5kg/h constant speed)
- Recommended speed: 3-5km/h
- Product weight: ①Weighing platform:27kg(one unit) ②Instrument:9kg
- Product Size:①Weighing Platform Size:800×350×22mm ②Instrument Size:430×335×170mm
- Working distance for wireless version:①without obstacles:25m ②Obstructions：15m
- Ingress protection: ①The wireless weighing platform IP67 ② Wireless Instrument IP65
- Storage condition:①Temp. Range:-30～+80℃ ②Relative humidity:＜90%RH
- The two weighing platform are individually calibrated, with a 10 point correction, which greatly improves the precision of the products.
- Digital wireless transmission, to avoid lead broken, convenient to use for customers. Using ultra high frequency wireless transmission technology, greatly improves the anti-interference ability of the system and provides a technical guarantee for the dynamic measurement accuracy of the system.
- With the date and time display, car number and ticket number input, battery power monitoring indicators for instrument and two weighing platform .
- Using floating zero technology and zero tracking technology,completely eliminate the zero shift.
- Digital menu operations, simple and clear.
- Instrument micro printer, can print time, date, car number, ticket number, axle weight, axle group weight, gross weight, overweight and monitoring units and other data, can be used as law enforcement evidence.
- Standard RS-232 interface for easy connection to a computer.
- With AC charger and car charger, built-in high-capacity battery, charge once, can detect hundreds of times.

TECHNICAL PARAMETER ////

Weighing capadity	Wheel Weight: ≤20Ton Axle Weight: ≤40Ton Whole Truck Weight: ≤1000Ton (Maximum 20axles per truck)			
Static Accuracy	/	Dynamic Comprehensive Accuracy	±3.0%FS
Sensitive	0.7±0.1mV/V	Nonlinearity	≤0.30%FS
Repeatability	≤0.05%FS	Zero output	600±200UV
Input Resistance	1000±10Ω	Temperature compensation Range	-10~+60℃
Working Temperature	-20~+60℃	Zero Temperature Influence	0.05%FS/10℃
Sensitive influence by temperature	0.05%FS/10℃	Excitation Voltage	9~12DC
Insulation resistance	1000MΩ（100VDC）		
Overload Protection	120%		

Portable Axle Weighing Scale
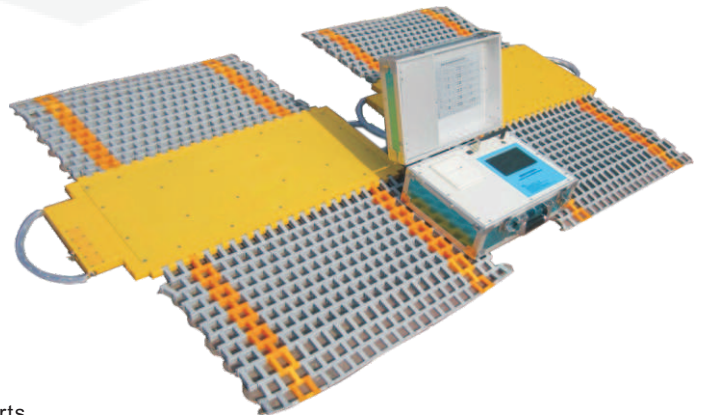
GALOCE

GPWA06

DESCRIPTION ///

Material:Aluminum Alloy

Mainly used for Static weighing

Feature:Thin platform, light to carry

With the structure of multiple sealed sensors embedded

in the bottom of high-strength aluminum alloy weighing platform ,

high precision, excellent sealing effect.

Widely used in agriculture, forestry, animal husbandry, mines, ports,

logistics centers and other place requiring higher weighing accuracy.

Product accessory		
Weighing platform(Supply quantity according to customer's requirement)	A wireless instrument	Standard accessory （Charger, printing paper, ribbon, etc.）
Note: the other accessories are subject to the product packing list!		

FUNCTIONAL CHARACTERISTICS ///

• Rated Capacity:①Wheel weight≤20Ton ②Axle weight≤40Ton ③Whole truck　weight≤1000Ton

• Static Accuracy: ±0.5%

• Product weight: ①Weighing platform:27kg(one unit) ②Instrument:9kg

• Product Size:①Weighing Platform Size:800×350×22mm　②Instrument Size:430×335×170mm

• Working distance for wireless version:①without obstacles:25m　②Obstructions：15m

• Ingress protection: ①The wireless weighing platform IP67　② Wireless Instrument IP65

• Storage condition:①Temp. Range:-30～+80℃ ②Relative humidity: ＜90%RH

• The two weighing platform are individually calibrated, with a 10 point correction, which greatly improves the precision of the products.

• Digital wireless transmission, to avoid lead broken, convenient to use for customers. Using ultra high frequency wireless transmission technology, greatly improves the anti-interference ability of the system and provides a technical guarantee for the dynamic measurement accuracy of the system.

• With the date and time display, car number and ticket number input, battery power monitoring indicators for instrument and two weighing platform .

• Using floating zero technology and zero tracking technology,completely eliminate the zero shift.

• Digital menu operations, simple and clear.

• Instrument micro printer, can print time, date, car number, ticket number, axle weight, axle group weight, gross weight, overweight and monitoring units and other data, can be used as law enforcement evidence.

• Standard RS-232 interface for easy connection to a computer.

• With AC charger and car charger, built-in high-capacity battery, charge once, can detect hundreds of times.
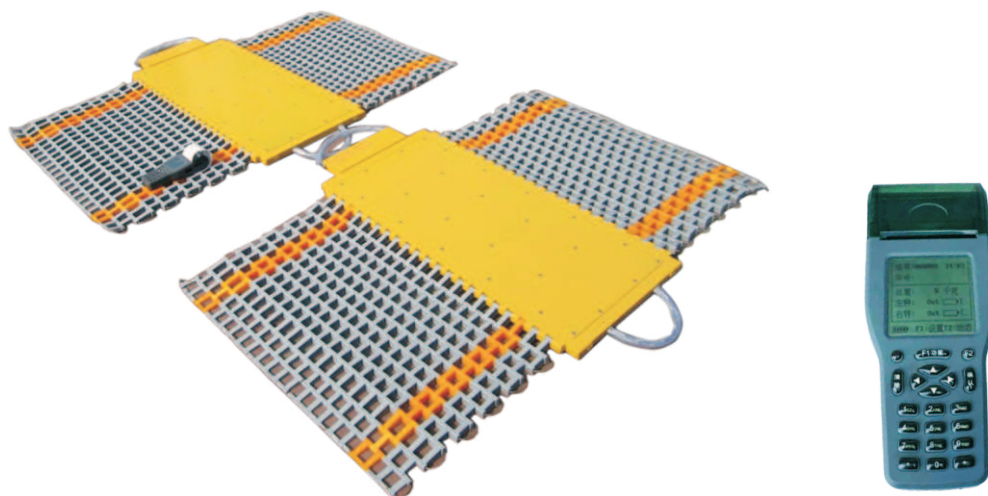
TECHNICAL PARAMETER ////

Weighing capadity	Wheel Weight: ≤20Ton Axle Weight: ≤40Ton Whole Truck Weight: ≤1000Ton（Maximum 20axles per truck）			
Static Accuracy	±0.5%FS	Dynamic Comprehensive Accuracy	/	
Sensitive	0.7±0.1mV/V	Nonlinearity	≤0.30%FS	
Repeatability	≤0.05%FS	Zero output	600±200UV	
Input Resistance	1000±10Ω	Temperature compensation Range	-10~+60℃	
Working Temperature	-30~+80℃	Zero Temperature Influence	0.05%FS/10℃	
Sensitive influence by temperature	0.05%FS/10℃	Excitation Voltage	9~12DC	
Insulation resistance	1000MΩ（100VDC）			
Overload Protection	120%			

Portable Axle Weighing Scale

GALOCE

GPWA07

Product accessory		
Two wireless weighing platform	A wireless handheld instrument	Standard accessory （Charger, printing paper, ribbon, etc.）
Note: the other accessories are subject to the product packing list!		

FUNCTIONAL CHARACTERISTICS ////

• Digital wireless transmission, to avoid lead broken, convenient to use for customers. Using ultra high frequency wireless transmission technology, greatly improves the anti-interference ability of the system and provides a technical guarantee for the dynamic measurement accuracy of the system.

• It contains print mode and three working modes :Road administration, traffic police and eight ministries.

• The two weighing platform are individually calibrated, with a 10 point correction, which greatly improves the precision of the products.

• With the date and time display, car number and ticket number input, battery power monitoring indicators for instrument and two weighing platform .

• Vehicle speed display (unit: km / h).

• Using floating zero technology and zero tracking technology,completely eliminate the zero shift.

• Digital menu operations, simple and clear.

• Measure up to 10 axles .

• Instrument micro printer, can print time, date, car number, ticket number, axle weight, axle group weight, gross weight, overweight and monitoring units and other data, can be used as law enforcement evidence.

• Standard mini-USB interface for easy connection to a computer.

• With AC charger and car charger, built-in high-capacity battery, charge once, can detect hundreds of times.

TECHNICAL PARAMETER ////

1)Product Size:①Weighing Platform Size:800×350×22mm ②Instrument Size:80×220×49mm

2)Rated Capacity:① Wheel weight≤20Ton ②Axle weight ≤40Ton ③Whole truck weight≤1000Ton

3)Static accuracy: ± 1.5% FS; Dynamic accuracy: ± 3% FS

4)Recommended speed: 3-5km/h

5)Product weight: ①Weighing platform:27kg(one unit) ②Instrument:0.5Kg

6)Working distance for wireless version:①without obstacles:25m ②Obstructions：15m

7)Working temperature: -30-70 ℃, storage temperature: -40-80 ℃

8)Relative humidity: ＜90%RH

9)Ingress protection: ①The wireless weighing platform IP67 ② Wireless Instrument IP65

GALUCE

Portable Truck Axle Weighing Scale

GPWA08

Application

Widely used in highway transportation load control, highway law enforcement inspection, auto safety performance test, municipal waste disposal, etc., the development and utilization of the portable truck axle weighing scale that is convenient for highways, municipal, security and other departments.

Feature

Using aviation aluminum alloy material, mainly used for the static weighing of vehicles.

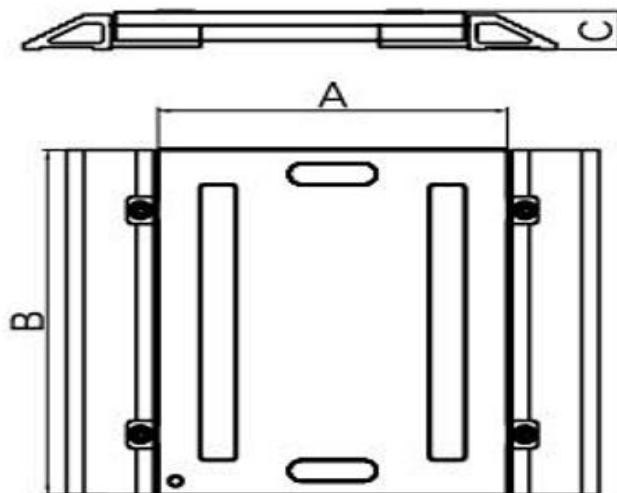Table-board thin, light weight, easy to carry.

The weighing table-board adopts multiple sealing sensors embedded in the structure of the bottom of high strength aluminum alloy weighing platform.

High precision and good sealing effect.

Overall design without bridge; Static detection, fast and accurate.

Xi'an Gavin Electronic Technology Co., Ltd.

Portable Truck Axle Weighing Scale

Dimension

Specifications

Type	(A×B×C) (mm)	Single board maximum range(Kg)	Conf spec (single board)
GPWA08	350×400×35	500/1000/1500Kg	4pcs sensors,10m signal line;
	400×500×58	1500/2500/3000/3000Kg	4pcs sensors,10m signal line;
	450×700×58	5000/10000/15000Kg	6pcs sensors,10m signal line;
	500×900×58	10000/15000/20000Kg	8pcs sensors,10m signal line;

Specifications	
Rated load: 0.5/1/1.5/2/2.5/3/5/10/15/20T	Insulation resistance(MΩ): ≥5000(100VDC)
Dynamic error: 3 (5~10km/h) %F.S	Operating Temp: -30~+80℃
Comprehensive error: 0.1~0.5%F.S	Tempe. effect on zero: 0.03 F.S/10℃
Rated output:1.0±0.1mV/V	Static error:0.1~0.3%F.S
Nonlinearity: 0.2%F.S	Safe overload: 120%
Repeatability: 0.05%F.S	Ultimate overload: 150%
Zero balance: ±1%F.S	Excitation voltage:9~15VDC
Protection class: IP66	Recommended voltage:10V

Xi'an Gavin Electronic Technology Co., Ltd.

GALUCE

Portable Truck Axle Weighing Scale

Instrument accessories

Instrument A   **Instrument B**

Multi-channel axle weighing instrument.

Instrument A : Aluminum alloy case, stainless steel panel, LCM multi-window display.
Instrument B: Aluminum alloy case, LCD single window display.

Feature

1. 1~4 Channel input, axle weight, wheel weight, total weight and percentage weight.
2. Built-in printer, rechargeable battery (lead-acid battery), with the function of real-time monitoring of battery voltage.
3. RS485/RS232 Communication Interface.
4. 4 AD Channels can be individually calibrated.
5. It also displays and prints each wheel weight, axle weight and total weight.
6. It can check the percentage of 4 wheels weight.
7. Built-in real-time clock for display and printing of date, time.
8. Supports multiple printing formats.

Specification

Display: 6-digit 240 x 64 point LCM LCD /LCD backlight

Working temperature: - 10 ~ 40 ℃

Relative temperature: ≤90%RH

Power supply :AC110~220V 50~60Hz Or built-in lead acid battery DC6V 4Ah

User interface, backlit LCD display

With mini high-speed printer

Data is stored automatically and can be connected to the computer.

Xi'an Gavin Electronic Technology Co., Ltd.

GALUCE

Portable Truck Axle Weighing Scale

Wireless weighing Instrument

Instrument C   **Instrument D**   **Instrument E**

Instrument C: Wireless handheld instrument
Instrument D: With Printed iron housing
Instrument E: With printed plastic housing.

Features

1. The sensor output is digital signal, each parameter adjustment and temperature compensation is completed internally, and the transmitter is transmitted through the 2.4ghz wireless transmission module.

2. The wireless instrument receives the output of the sensor, which is displayed on the LCD screen, and the wireless instrument can be connected to the computer or the large screen via the RS232 interface.

3. Unit: kg, lb, t

Specification

Xi'an Gavin Electronic Technology Co.,   Ltd.

Portable Truck Axle Weighing Scale

Radio frequency	434M~470MHZ
Wireless transmission distance	200~500m(open space)
A/D conversion speed	≥50T/S
Operating Temp Range	0～+40℃
Operating humidity	≤85%RH ＜20℃
Battery Operating Time	≥50h
nonlinearity	0.01%F.S
Stable reading time:	≤5s
quoted standard	GB/T7551-2008/ OIMLR60

Notes:

Don't in the explosive or is not a safe place to use wireless sensor, wireless work effect on different occasions, the presence of obstacles, will be affected by both lithium battery in the fully charged state, can work more than 50 hours, please don't too long or excessive charging.

Xi'an Gavin Electronic Technology Co., Ltd.