

CZY-1 portable wireless dynamic vehicle axle scale

The weighing pad's model can be changed according to customer's request)



Parts

2 pcs wireless weighing pads

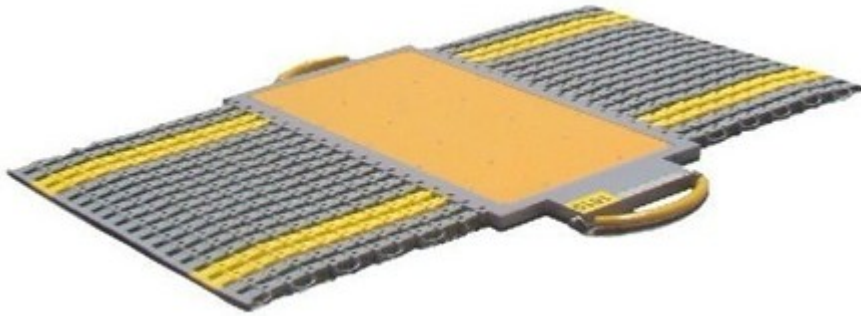
1 pcs wireless weighing indicator

Charger, Print paper, colored tape

- Capacity : ① wheel weight : $\leq 20T$ ② Axle weight : $\leq 40T$ ③ Total weight $\leq 1000T$ (≤ 18 axle)
- Dynamic comprehensive error(%F.S): 3 (5~10km/h)
- Static comprehensive error(%F.S): 0.3
- Product weight : ① weighing pad : 27Kg /pcs ② indicator : 9Kg/pcs
- Product size : ① weighing pad's size : 870×470×25mm ② indicator's size : 410×305×190mm
- Defense grade : ① weighing pad:IP66 ② indicator:IP65
- Environment : ① Temp. range : $-30 \sim +80^{\circ}C$ ② Relative Humidity : $< 90\%RH$
- Vehicle axle weight is measured axle by axle, and the max number is unlimited.
- Ultra high frequency ensures better anti-electromagnet ability.
- Floating technology is adopted to remove zero drift
- Digitization menu, easy operation.
- Micro printer is embedded in the wireless instrument, the print ticket contains date, time, truck no, ticket no, axle weight, joint axle weight, truck weight, overload and executive organization
- RS232 port is used to communicate with PC.
- AC/DC, real time battery capacity indicating. The battery can be used for 40 hours on end. Automatic shut off;

Parts:

1. CZ-40HA

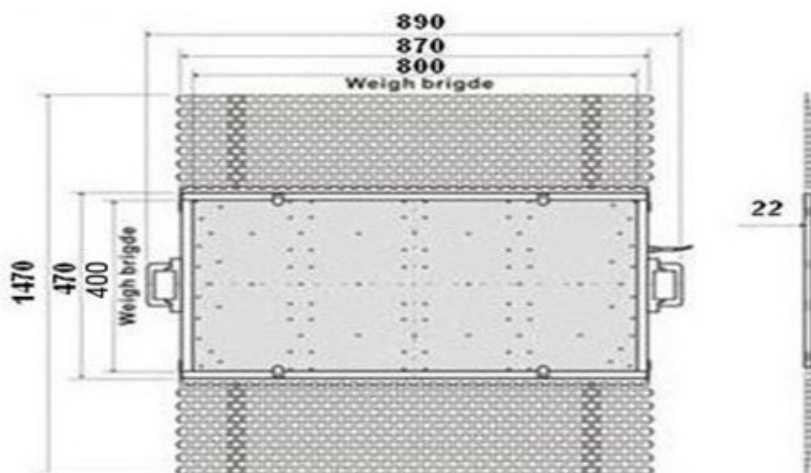


Aluminum-alloy; Ultra thin weight pad design; Easily mounted / unmounted slope; Hermetically sealed, suits different environment; Works both dynamically and statically; Can be used to measure axle weight and whole vehicle weight when two or four weigh-pad sare connected together.

PARAMTER

Rated load: 10,20(t)	
Dynamic error (%F.S): 3 (5~10km/h)	
Static error (%F.S):0.1~0.3	
Static comprehensive error(%F.S): 0.1~0.5	Insulation resistance(MΩ): ≥5000(100VDC)
Dynamic comprehensive error(%F.S): 1.5 (1~5km/h) 3 (5~10km/h)	Compensated temp.range(°C): -10~+50
Rated output(mV/V): 1.0±0.1	Use temp.range(°C): -30~+80
Non-linearity(%F.S): 0.2	Temp.effect on zero(F.S/10°C): 0.03
Error on corners(%F.S): 0.2	Temp.effect on span(F.S/10°C): 0.05
Repeatariy(%F.S): 0.05	Safe overload(%): 120
Zero balance(%F.S): ±1	Ultimate overload(%): 150
Excitation voltage(VDC): 9~15	Netweight(kg): 45
Recommended voltage(V): 10	Defend grade: IP66

DIMENSIONS(mm)



2. wireless weighing indicator



Features

- ◆ Excellent weighing function and high precision;
- ◆ Touch screen LCD Monitor
- ◆ Backlight lattice LCD, Clear both in daytime and nighttime;
- ◆ Digital wireless technology is adopted, so the portability is largely increased.
- ◆ Ultra high frequency ensures better anti-electromagnet ability.
- ◆ Double LCDs are used.
- ◆ Measure and display vehicle velocity(km/h).
- ◆ Floating technology is adopted to remove zero drift.
- ◆ Numbered options.
- ◆ Vehicle axle weight is measured axle by axle, and the max number is unlimited.
- ◆ Wireless transmission removes cable connection.
- ◆ Micro printer is embedded in the wireless instrument, the print ticket contains date, time, truck no, ticket no, axle weight, joint axle weight, truck weight, overload and executive organization.
- ◆ RS232 port is used to communicate with PC.
- ◆ Can conveniently input full vehicle license number with letters;
- ◆ Can put in the name of the testing organization and operators;
- ◆ Can store as many as 10000 vehicle testing records;
- ◆ mature inquiry and statistic function;
- ◆ AC/DC, real time battery capacity indicating. The battery can be used for 40 hours on end. Automatic shut off;
- ◆ The auto power supply system can be used for providing electricity and charging;
- ◆ The instrument can work independently. And it also can upload testing data to computers.

Main Technical Index

- (1)full-scale temperature coefficient: 5ppm/°C
- (2) inner resolution: 24 bits
- (3) Sampling speed: 200 times/sec
- (4) the speed of display renewal: 12.5times/sec
- (5) system non-linearity <0.01%
- (6) impulse source of sensor: DC 5V±2%
- (7) operating temperature range: 0°C--40°C
- (8)Power supply sink (without the sensor): 70mA(no printing and no back lighting), 1000mA (printing)
- (9) power supply: built-in 6V/10AH leading acid accumulator, and can connect with DC source (7.5V/3A or 12V/3A)

Software

Plate: Axes: Bound:

Vehicles weigh:

ID	Axis	Weight

Today Start End

No. Weighing	Date	Hour	Plate	Axes	Speed	Bound	Weight	Result
000045	2010-01-31	23:35:38	FR5444	21	2.9	900	230	NORMAL
000044	2010-01-31	23:35:01	FR5444	11	4.7	900	240	NORMAL
000043	2010-01-31	23:30:38	TTT	112	3.8	888	2530	EXCESSO PBT
000042	2010-01-31	23:30:26	TTT	112	3.8	888	1660	EXCESSO PBT
000041	2010-01-31	23:30:08	TTT	11	3.7	888	0	NORMAL
000040	2010-01-31	23:27:17		11	3.1	0	1500	
000039	2010-01-31	23:27:01		112	2.5	0	1610	
000038	2010-01-31	17:55:01	FFER23	662341	4.3	8900	12320	EXCESSO PBT
000037	2010-01-31	17:54:35	FFER23	112347	5.5	0	8880	
000036	2010-01-31	14:47:55	II8899	11	4.1	18000	1320	NORMAL
000035	2010-01-31	14:46:41	XKS989	11	3.4	1260	1360	EXCESSO PBT

ID	Time	Plate	Axes	Speed	Bound	WeightMea	Result	Weight1	Weight2	Weight3	Wei
	2010-2-6										
	2 PM 06:28:38										
	3 PM 06:30:03										
	4 PM 06:32:56		12			0					
	5 PM 06:33:57		112			1800					
	6 PM 06:37:47		11			1560					
	7 PM 06:37:57 2234		11			1440					
	8 PM 08:00:57 FF22432		112	3.1		4360					
	9 PM 08:29:10 111223		11234	3.7		12120		1920	3400	0	
	10 PM 08:31:14 T2231F		112	2.5		3400		1360	0	0	
	11 PM 08:37:55 FFE4452		112	3.3		3600		960	1280	1360	
	12 PM 08:42:30 FFE4452		213	2.7		4720		1000	1360	2360	
	13 PM 08:43:46 FFE4452		66321	3.2		12000		3440	3720	2400	
	14 PM 10:16:10 粤XKS989		11	3.0		960		440	520	0	
	15 PM 10:21:49 FEA33443		112	4.3		4360		1240	1480	1640	
	16 PM 10:22:50 AA44522		1123	4.1		9440		1200	1680	2080	
	17 PM 10:23:00 AA44522		11	4.0		3720		1440	2280	0	
	18 PM 10:23:09 AA44522		11	3.7		3720		1360	2360	0	
	19 PM 10:23:18 AA44522		22	3.8		4120		1800	2320	0	
	20 PM 10:24:06 EE4		11	4.0		3120		1320	1800	0	
	21 PM 10:24:13 EE4		11	5.0		2040		840	1200	0	
	22 PM 10:24:20 EE4		22	4.3		2840		1240	1600	0	
	23 PM 10:24:28 EE4		11	3.5		4000		1880	2120	0	
	24 PM 10:25:37 KS989		11	6.2		2120		720	1400	0	
	25 PM 10:25:55 KS989		11	4.5		3000		1240	1760	0	
	26 PM 10:28:44 UU10		112	5.5		3360		840	1080	1440	
	27 AM 10:02:28 RR3211		11	3.5		2920		1320	1600	0	
	28 AM 10:05:01 EE2		11	5.0		2260		1000	1260	0	

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