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8203

ELECTRONIC CRANE SCALES INSTRUCTION MANUAL

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VIDEO OF PRODUCTS.



VIDEO

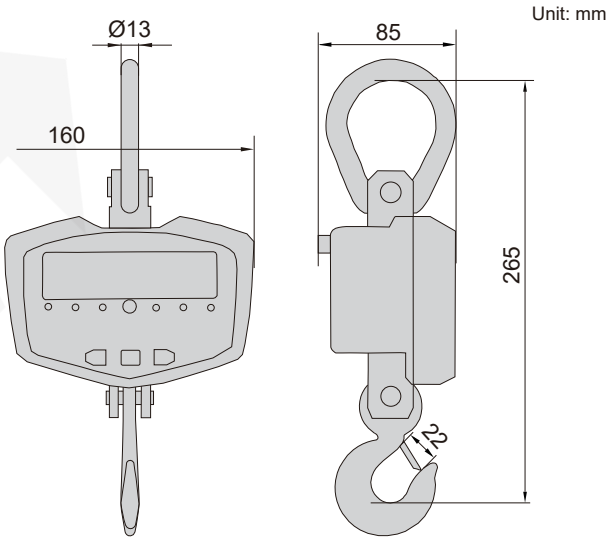


Thank you for choosing our 8203 series electronic crane scale, please read this manual carefully before use and operate according to this manual. If you have any difficult problems, please contact us directly, we will provide you with satisfactory service.

1. Overview

8203 series electronic crane scale combine reliable, advanced electrical hardware with good software. Using AT-89 series micro-processor and high speed, high precision A/D conversion technology, the scale has a specially designed jittering compensation circuitry to assure it can reach steady state quickly with strong anti-interference capability. This series of scales can be used for weighing application in commercial trade, mines, storage and transportations.

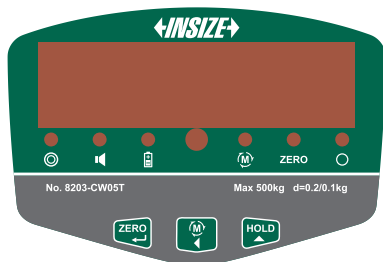
2. Basic models and sizes



SPECIFICATION

Code	8203-CW03T	8203-CW05T	8203-CW1T
Maximum weighing	300kg	500kg	1000kg
Minimum weighing	2kg	4kg	10kg
Resolution (d)	0.1kg/0.05kg	0.2kg/0.1kg	0.5kg/0.2kg
Verification interval (e)	0.1kg	0.2kg	0.5kg
Overload alarm	100%F.S.+9e		
Maximum safe load	150%F.S.		
Limited overload	400%F.S.		
Stable reading time	<10s		
Power supply	3×1.5V AA batteries		
Operating temperature	-10~40°C		
Operating humidity	30%~90% RH		

3. Keypad operation And Symbols



	Press this key to keep the current display, the screen will flash. Press it again to quit this operation.
	Press this key to set the current display to zero.
	Press this key to change between Measured Division and Selectable Division.
	Unit indication, When this symbol is lit, indicating the current unit is not kg.
	Buzzer indication, When this symbol is lit, indicating the alarm is ON.
	'Low Battery' indication. When the lamp flashed, the batteries need to be changed or charged.
	Switch division indication, When this symbol is lit, indicating it is high division.
	Zero indication, When this symbol is lit, indicating the display is "0" or "0.0".
	Stable indicator. When this symbol is lit, the weighing process is stable and customer can take record of the weight.

4. Operation settings

[1] Turn On the Scale

Press the mechanical switch located on the back of scale to "1" position to turn on the scale.

The scale's maximum weighing capacity is first shown, and then the scale goes through a self-check sequence. After 0.0 is displayed and stable light is lit, the scale is ready for weighing operation.

(Note: it is recommended to allow scale 3~5 minutes of warm-up time before starting weighing operation).

[2] Zeroing

When the scale is switched on and with no load on the hook, press the ZERO key to obtain the zero reading.

[3] Weight Measurement

Once the load is suspended completely, the display shows the weight value of the load. When the "Stable" indicator is lit, weight value can be recorded. In case there is tare such as cable, load the tare and press to zero the display to "0"kg.

The weight value after this will be the net weight. This will not change until the tare change or the scale being turned off.

[4] Turn Off the Scale

After weighing operation, the scale should be turned off. Press the mechanical switch on the back of the scale to "0" position to shut off the power to the scale completely to prevent the leakage of the battery.

[5] Division Conversion

Under weighing mode and the unit is 'kg', press key to change between Measured Division and Selectable Division

5. Battery Charging

The scale uses 3*AA batteries (Nickel – H Battery Optional) . When scale is with low power, it will display the following signals:

< a > When the low power indicator light is lit. The scale needs to be changed the batteries or charged now. However, the scale can continue to be operated for about 3 hours without charging.

< b > After the low power indicator is ON for several hours without changing the batteries or charging, the crane scale will be powered off automatically. Please change the batteries.

< c > After changing the batteries or battery charging, if there is no display, it indicates that either there is difficulty in battery charging or a damaged battery. Please contact supplier for repair or replacement.

< d > For the Nickel – H battery, With a fully charged battery, the scale can be operated for about 30 hours. To prolong the battery life, please recharge the battery promptly using for every 20 hours of usage.

6. Precaution

[1] For weighing operation, please load the scale with weight load exceeding the scale's maximum capacity.

[2] Perform routine inspection and maintenance to ensure operation safety for these basic items:

< a > Check for loose bolts.

< b > Check hook and shackle for deformation, wearing and tearing.

< c > Check other scale component for signs of metal fatigue.

< d > Check for missing hook latch.

< e > Avoid hitting, bumping the display window.

< f > Please take out the AA batteries without using for long time.

For problem “a” through “d”, please stop using the scale and send it back to authorized INSIZE dealer or INSIZE dealer for repair or replacement of problem parts.

7. Calibration Method

ATTENTION: Please do not attempt to calibrate the scale without standard weight

Step	Operation	Display	Remarks
[1]	Press & Hold []Key to power on	SPAN	Enter the calibration procedure. Scale should be with no load.
[2]	Press []Key	SET 00000	Confirm zero point, when stable, display “00000”.
[3]	Press []Key to add Press []Key to move the digit left	500.00	Load the scale. The closer to full capacity the better. For example, 150kg.
[4]	Press [] Key	Hold	To store the result once the weighing becomes stable.
[5]	[-----]	500.00	System goes back to weighing mode after several seconds.

8.Setup Functions in Sub-Menu

Function	Operation	Display	Remarks
	Press [] key during the scale self-check sequence "9,...0" to enter the sub-menu	00000	Input the password " ***** "
Sets Buzzer	Press[]Key	bEE 1	0: Disable 1: Enable Press [] or [] to change.
Hold Function	Press[]Key	Hod 1	0: Disable 1: Enable Press [] or [] to change.
Zero Function	Press[]Key	Stb 1	0: zeroing allowed when unstable 1: zeroing not allowed when unstable Press [] or [] to change.
Auto turn off Function	Press[]Key	OFF 1	0: Disable 1: Enable Press [] or [] to change.
Sets units	Press[]Key	CHt 1	0: lb 1: kg Press [] or [] to change.

Function	Operation	Display	Remarks
Save results	Press[]Key	YES 0	0: don't save 1: save Press [] or [] to change.
-----	Press[]Key	----	Automatic re-start