



CRANE SCALE **CF**

User Manual



v.201811

Value Each Gram

Before Use

1.1 Safety precautions



WARNING!

- ▲ Do not use CF crane scale in hazardous area! Do not use it within areas classified as hazardous division 1/2 or zone 0/1/2/21/22 because of combustible or explosive atmospheres.
- ▲ Never immerse it in liquid or pour chemical/corrosive liquid on it.
- ▲ Do not expose the scale to direct sun light or another high temperature source
- ▲ Do not open the scale!
The warranty is void if this stipulation is ignored. The scale may only be opened by authorized persons.



DANGER!

Electric shock hazard!

- ▲ Always unplug AC adaptor before performing any work on the scale.

Hazard of electric shock if the adaptor is damaged!

- ▲ Check the power adaptor regularly. Unplug the power adaptor immediately if it is damaged.



Disposal

In conformance with the European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), this device may not be disposed of in domestic waste. This also applies to countries outside the EU as per their specific regulations.

Please dispose of this product in accordance with local regulations at the collecting point specified for electrical and electronic equipment.

If you have any questions, please contact the responsible authority or the distributor from which you purchased this indicator.

Should this indicator be passed on to other parties (for private or professional use), the content of this regulation must also be related.

The indicator has a rechargeable internal battery. The battery contains heavy metals. Please observe the local regulations on the disposal of environmentally hazardous materials.

Introduction

The CF crane scale provide a compact yet flexible solution for a variety of weighing needs in hanging situation. Available with AC/DC power adaptor or battery-powered for portable applications.

Rugged SUS304 stainless steel enclosure with stainless steel shackle and hook.

High quality alloy steel S type load cell, the accuracy meet OIML Class III demand.

Standard applications include basic weighing, accumulating, gross/net weighing.

Kg/lb unit exchange

Optional remote control

Optional Bluetooth output for transmitting data to PC, PDA, etc.

Optional Bluetooth printer

**Bluetooth version for printer is different from above*

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1. Technical Specifications

Model	CF
Enclosure Type	SUS304 stainless steel
Product Dimension	325x185x95mm (with hook included)
Shipping Weight	2.5kg
Accuracy	OIML Class III
A/D resolution	500,000
A/D speed	10times/second
Power	AC/DC adaptor 100-240V/8.2V 6V1.2Ah rechargeable battery
Display	1" LED – 25mm
Stable Time	≤8s
Load cell type	Analog, S-Type
Excitation voltage	5 VDC
Capacity	30kg 60kg 150kg 300kg 600kg
Division	10g 20g 50g 100g 200g
Units	Kg lb
Tare Range	100%
Safety load	120%F.S.
Auto Zero Range	0, 2%,10%,20%,50% for choose
Operating Temperature	0°C~40°C
Storage Temperature	-25°C~55°C
Relative humidity	85%Rh non-condensing
Protection	IP54
Communication	Optional Bluetooth

2. Model Identification

Model: CF 150 UK 1 0
Corresponding: A B C D E

A = Main model name

B = Capacity

C = Plug type, examples:

AU = Australia Type CN = China Type EU = EU Type US = USA Type SA = South Africa Type UK = UK Type

D = Communication Type: 0 = No
 1 = Bluetooth data transmitting
 2 = Bluetooth printer protocol

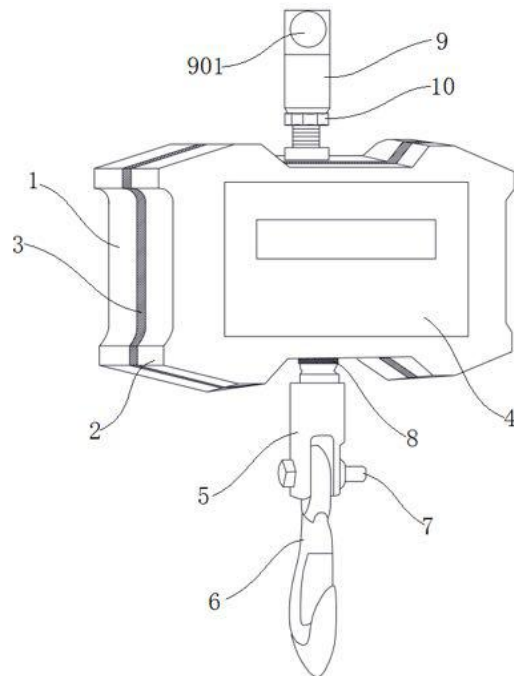
E = Hook type: 0 = standard
 1 = 360 degree rotating hook

3. Packing List

After the scale received, please open the box carefully and check and compare all following items included:

- Main scale x 1
- Shackle x 1
- Hook x 1
- AC/DC adaptor x 1
- Dowel pin x 1
- Remote control x 1
- Manual x 1
- Warranty card x 1

4. Hardware Description



- 1 – Stainless steel rear housing
- 2 – Seal rubber
- 3 – Stainless steel front housing
- 4 – Keyboard overlay
- 5 – Stainless steel connecting bolt for hook
- 6 – Stainless steel Hook
- 7 – Stainless steel fixing bolt and lock dowel pin
- 8 – Stainless steel fixing nut
- 9 – Stainless steel connecting bolt for shackle
- 10 – Stainless steel fixing nut

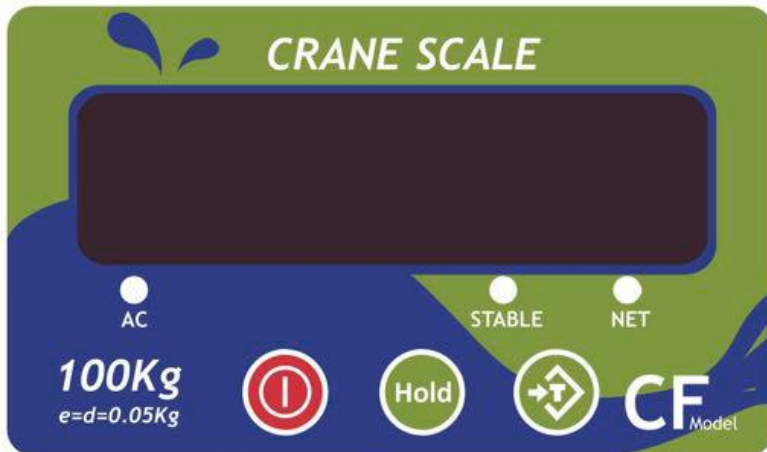
5. Dowel Pin

Make sure the dowel pin inserted and locked well before using of the scale! It's prohibited to use the scale without dowel pin locked!

Turn the two pins bended (towards to the bolt) after it inserted into the hole.



6. Keypad Layout



LED lights indication

- AC - Adaptor connected
- STABLE - Weight stable for read
- NET - Net weight, with tare weight removed.

Keypad



ON/OFF (Confirm during technical mode)



HOLD/UNITS (Digit Moving during technical mode)



ZERO/TARE (Digit Increasing during technical mode)



7. Remote Control

- A = Function | Confirm
- B = Zero/Tare
- C = Hold
- D = Accumulating




8. Functions Description

Power On/Off

1. Press  key to power on the scale, it will display the version number and self-check.
2. Press  key again to power off the scale, it will display the battery volume and off
3. Or press B+C on the remote control at the same time, it will power off the scale also.

Zero


Keep Pressing  key or long pressing B key on the remote control, it will display [-----] and zero the scale after 2 seconds.


Notes1: If it displays [HHHHH], it means that the weight is more than the zero range

Note 2: If it displays [LLLLL], it means that the weight is less than the zero range


Zero range: ±10%

Tare

When the weight is stable and the net status indication light off, press  key or B key on the remote control, it will tare the weight and the net status light on (display the net weight).


When the weight is stable and the net status indication light on, press  key or B key on the remote to retrieve the tare weight and it will display the gross weight.

Hold

Press  key or C key on the remote control, it will lock the weight, and the stable indication light will twinkle.

Press  key or C key again on the remote control, it will unlock the weight.

Kg/lb Unit Exchange

Keep pressing  key for 3 seconds more, it will exchange the unit from Kg to lb or lb-Kg.

Accumulating

When the weight >0 and the stable status indication on, press D key on the remote control, it will accumulate the weight and display the accumulating times [n xxx].

Press **A** key on the remote control, it will display the accumulating times [n xxx] and press **A** key again, it will display the 4 digits of high level, and press **A** key again, it will display the 4 digits of lower level, press **A** key again to quit the accumulating value display.

During the accumulating value display, press B key to clear the accumulating value.

Example:

50 times accumulating operation and 4850.5Kgs

Press A : [n 50]

Press A : [H 4]

Press A : [L 850.5]

Press A : Quit

Power Saving

When the scale chosen with power saving mode, it will sleep after 5 minutes without operation and it display [-], and it will power off automatically after 30 minutes no operation.

Communication (Bluetooth)

During the parameter setup, there are two parameters for Bluetooth setting:

Adr = 00, it sends the weight data continuously in reverse mode, example: if the weight = 100.0kg, it will send the data in format = 0.001 = 0.001 = 0.001 = 0.001...

Adr = 99, it sends the weight data continuously in plain sequence, example: if the weight = 100.0kg, it will send the data in format = 100.0 = 100.0 = 100.0 = 100.0...

Adr = 01 or others, it sends the printing format, example: if the weight = 100.0kg, tare weight = 2.0kg, it will send the data in format as below:

No. 4 (serial number)

Gross: 100.0kg



Tare: 2.0kg


Net: 98.0kg

** For Adr setup, please refer to below parameters setting.*


User Parameter Setting

LED BRIGHTNESS


Press  to power on the scale and press  key quickly during it display the self-checking (between 00000-99999).

Press  key to choose the brightness:


dSP = 0 Lower
dSP = 1 Bright
dSP = 2 Automatically: Bright when it with operation and weight display, it will become to be lower brightness after no operation of 30 seconds
Default dSP=2

Press  to confirm and enter the power saving set [SAU 1]

POWER SAVING

Press  to choose the mode:

SAU = 0 No power saving and auto power off
SAU = 1 Power saving and auto power off
Default SAU=1

Press  to confirm and enter default unit set [Lb 0]


DEFAULT UNIT

Press  to choose the default unit:


Lb = 0 Kg
Lb = 1 lb
Default Lb=0

Press  to confirm and enter holding mode set [AH 1]

HOLDING MODE

Press  to choose the hold operation:

AH = 0 Manual
AH = 1 Automatic, after it locked for 30 seconds, it does unlock automatically
Default AH=1

Press  to confirm and back to weighing mode

9. Calibration & Sealing

The scale can be calibrated by metrology office or authorized lab only, and after calibration, it needs to be sealed by the lead seal, like the below one (fix two bolts of front and rear housing).



10. Trouble Shooting

[OVER] Weighing > 100% F.S.+9d

[-OVER] Weighing < -10% F.S.

When the weight twinkling, it means the battery volume is lower than 20%, please recharge the battery.

When the weight twinkling and the beeper sounds, it means that the battery use up, please recharge the battery immediately.

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