



## FCS

### Shipping scale

#### NORMAL USE

##### Buttons

- ON/OFF Starts and turns off scale
- HOLD Hold-funktion holds the value up to 2 minutes.
- UNIT Switches between units kg and b.
- ZERO/TARE Zeroes the scale during range 0 – 30,00 / 60,00 / 150.0 kg.

**Indicators** kg, lb, battery symbol for low battery, zero (stable zero), a dot to the left side of the display indicates hold function active. Shows EEEEE if scale is overloaded

Auto power off (Scale turns off if the value is stable for 2 min and no buttons is pressed).

Scale is delivered with Auto power off activated. To deactivate it press and hold the HOLD button, press ON and the scale should show A\_ON. Press ZERO to change to A\_OFF. Press OFF and ON

TYPE	CAPACITY	DIVISION
FCS 30kg/10g	30 kg	10 g
FCS 60kg/20g	60 kg	20 g
FCS 150kg/50g	150 kg	50 g up to 100 kg, 100 g between 100 och 150 kg

- Size of plate: 330 x 320 mm
- Net / Gross Weight: 4,1 / 4,5 kg (Box 44,5x34,6x7 cm or 5 st 46x36x39 cm)
- Working Temp. : Optimally 15-30°C
- Input: Adapter 230 VAC / 9 VDC, 100 mA, +center or 6 AA batteries (Not included).
- Output: RS232

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## SAFETY PRECAUTIONS

All safety messages are identified by the words "WARNING" and "CAUTION". These words mean the following: WARNING Important information to alert you to a situation that might cause serious injury and damage to your property if instructions are not followed.

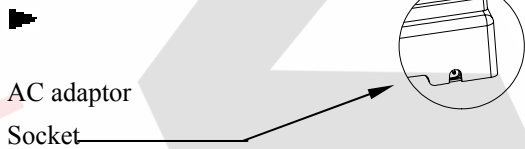
Use only the correct AC adaptor with the scale. Other adaptors may cause permanent electrical damage.

## CAUTION

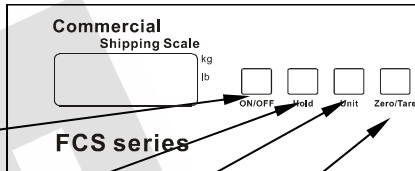
- Important information that tells how to prevent damage to the equipment.
- When using the scale, the following safety precautions should always be followed.
- Avoid placing the scale in direct sunlight, this may cause discoloration or malfunction.
- Replace all batteries at the same time – Do not replace only a portion of the 6 batteries as this may cause a malfunction.
- If the scale is not to be used for a long period of time, remove all batteries from the battery compartment to avoid leakage, which may cause damage to this scale.
- Avoid overloading the scale, as this may cause permanent damage and void your warranty – do not EVER exceed the maximum capacity of the scale
- Keep the scale away from water – this scale is not water resistant. Shock, injury and electrical damage can occur if used in a wet location!
- Matter charged with static electricity could affect accuracy. Discharge all static electricity. For example, one method is to use Static-Guard spray, and spray it on both sides of the weighing platform.



### PART DESCRIPTION



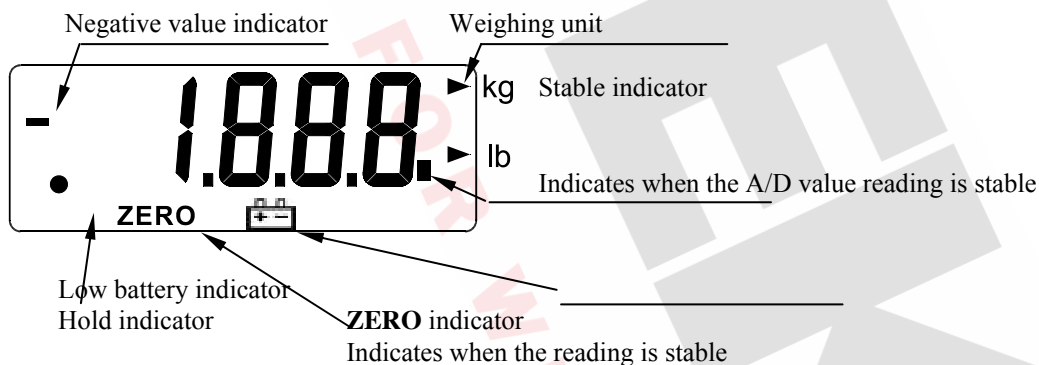
**ON/OFF** key  
Turns the scale power on/off.



Remain on the display for 120 seconds.

**UNIT** key  
Changes weighing units, eg. kg or lb.

**ZERO** key (for TARE)  
Sets display to zero or  
Subtracts weight of a container.



### HOLD (SEND DATA) FUNCTION

Once the hold key is pressed: 1). The CPU will send weight data into RS232 socket. 2)the weight will remain on the display for 120 seconds after the item has been removed from the scale so the weight can easily be read.

- 1) Place the item on the scale platform.
- 2) Wait for the stable weights to be displayed.
- 3) Press the hold key. The "." hold indicator will turn-on.
- 4) Remove the item from the scale platform. The item's weight reading will remain on the display for 120 seconds.
- 5) Quit to hold function: Once an item is weighed and the hold function is enabled; you want to quit to hold function, Press the hold key again to cancel the "." hold indicator and return the scale to weight value.

## FUNCTION SETTINGS

1. Enter function setting mode.

Press [ON/OFF] to turn the power off, Press [HOLD] first, then press [ON/OFF], while keeping [HOLD] pressed, the display will show A\_ON or A\_OFF.

2. Selection of auto shut off mode.

When the balance enter function setting menu. the display will show A\_ON or A\_OFF, Press [ZERO] key, selection display A\_ON, this means auto shut off function active. Press [ZERO] again, the display will show A\_OFF, this means auto shut off function inactive.

## WEIGHING

Before weighing

Whenever possible, please allow the scale to warm up for several seconds after first turning the power on so that the scale will function properly and accurately.

Error messages

EEEE: Overload

Low battery

Weighing procedures

1. Press [ON/OFF] to turn on the scale.

When the power is turned on, all display segments appear for a few seconds and "0" will appear on the display.

2. Select the weighing unit with [UNIT]. Press [UNIT] to select a weighing unit "kg", "lb". Once the unit has been selected, the selected unit will be displayed next to the weight value.

3. Start weighing If you do not use a container for weighing, Verify the reading is "0". If not, press [ZERO/TARE] to display "0". Place the items to be weighed on the platform. When the reading becomes stable, the stable weighing is displayed. If you use a container for weighing,

Place an empty container on the platform. Wait for the stability indicator to be displayed and press [ZERO/TARE]. Place the objects to be weighed in the container. When the reading becomes stable, the stable weighing displayed.

## CALIBRATION

When to calibrate - calibration is almost never required.

If the scale is inaccurate, calibration may be desired when the scale is first set up for use, or if the scale is moved to a different altitude or gravitation. This is necessary because the weight of a mass in one location is not necessarily the same in another location. Also, with time and use, mechanical deviations can occur.

## How to calibrate

**\*\*you must have an accurate the full load kilogram weight or combination of weights in order to calibrate\*\***

1. The scale must be powered OFF. Press and hold [ZERO] first, then Press [ON/OFF] while keeping the [ZERO] button depressed, then release both keys. The display will show the A/D value (a series of random numbers).
2. Wait for the stable indicator to be displayed, Press [UNIT] the display will show "OSAVE", then the display will return to the random A/D value.
3. Place the full load kilograms weight(s) on platform. Wait for the stable indicator to display, then press [UNIT], the display will show "OSAVE". Calibration is complete, remove the weight(s).
4. Turn the scale OFF (Press the ON/OFF key) , then turn it back ON and check some weight readings. If calibration is still incorrect, repeat calibration but try it more slowly.

If calibration is repeatedly incorrect then: 1) Replace the batteries, 2) Try a more stable surface or vibration and interference free location, 3) Be sure there is no static electricity on the scale (use an anti- static spray to remove static electricity)

## FEATURES

- Auto shut off (optional)
- Auto zero tracking
- Removable display w/3ft cord
- Large LCD (6digits 15 mm high)
- Auto calibration
- AC Power (optional)
- kg /lb conversion
- hold function

Large square weighing tray.

## SPECIFICATIONS

Model number	Capacity	Division
FCS-30	30kg	10g
FCS-60	60kg	20g
FCS-100	100kg	20g/50g
FCS-150	150kg	50g/100g
Platter / Tray	330x320mm	
Net/gross weight	4.1kg/4.5kg	
Package	Standard carton: 44.5x34.6x7(cm3)	
	5 Units in one box: 46x36x39(cm3)	
Operating Temperature	Optimum: 15-30°C	
Power source	6xAA Batteries or AC/DC	
	Adapter 9~12V/100mA (optional)	

### **\*\*SPECIAL WARNING\*\***

Cell-Phones, Cordless-Phones, and any radio-frequency device can cause temporary interference and cause the scale to temporarily not work properly. Please do not use any electronic device near the shipping scale. Just like in an Airplane, do not use your cell-phone near the scale when it is in use. While there is NO risk of permanent damage to the scale, interference can cause an incorrect calibration or incorrect weight readings.